F-27

Library

NOAA FFSOA 27

LIBRARY
JAN 3 1978
FISH & WILDLIFE SERVICE

Current Economic Analysis F-27

Food Fish

Market Review and Outlook

Industry and Consumer Services Division

Washington, D.C.

NOVEMBER 1977

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / NATIONAL MARINE FISHERIES SERVICE

FOOD FISH

MARKET REVIEW AND OUTLOOK

U.S. Department of Commerce
Juanita M. Kreps, Secretary

National Oceanic and Atmospheric Administration
Richard A. Frank, Administrator

National Marine Fisheries Service
Robert W. Schoning, Director

Prepared by
Industry and Consumer Services Division
John T. Everett, Chief

Principal contributor:
Richard K. Kinoshita

Telephone: (202) 634-7518

Statistical Assistant:
Mary E. Cotton

CONTENTS

	Page
Summary	2
Review and outlook	
Fish blocks, sticks and portions	3
Groundfish fillets	5
Cod	6
Flatfish	6
Haddock	7
Ocean perch	7
Halibut	8
Salmon	9
Sardines	10
Tuna	10
Statistical Appendix	13

SUMMARY

Consumption of finfish products except for canned salmon and ocean perch fillets was generally unchanged or down slightly in the first half of 1977 from a year earlier. Prices continued to increase and hit record levels, although prices of several items retreated slightly at midyear.

Movement of sticks and portions, cod and flatfish fillets was practically unchanged, while sales of ocean perch fillets declined because of lower supplies. Canned salmon consumption was 50 percent above the 1976 level. Because the U.S. tuna fleet remained in port for about 2 months, supplies of tuna were restricted--prices increased and sales declined. Consumption of canned sardines was relatively unchanged.

Prices of finfish products continued to rise and hit record levels during the first half of 1977. At the wholesale level, fish sticks and portions prices increased 25 percent over 1976; cod fillet prices were up one-third; other fillet prices increased 5 to 8 percent. Canned tuna prices were 16 to 20 percent high. Canned salmon prices were mixed; red salmon prices were higher, but canned pink and chum salmon prices were lower.

Higher prices for finfish products could have caused increasing price competition with meat and poultry and this may have begun to affect sales of some finfish products. The retail price index for fish increased 10 percent above 1976, while meat and poultry prices were lower than in 1976.

New supplies in the first half of 1977 were aided by record imports of blocks, an 18-percent increase in imports of canned sardines, a similar increase in raw tuna imports, and a 38-percent rise in groundfish landings. However, substantially lower imports of flounder, turbot, ocean perch and halibut restrained supplies.

The first half of 1977 was marked by a doubling of salmon exports, principally because of heavy buying of fresh and frozen salmon by Japan. Japan also purchased several million pounds of halibut. Another above average pack of salmon in 1977 should sustain supplies and consumption at the level of a year ago.

Overall, it is expected that supplies of finfish products should continue to meet quantities demanded, except that block, fillet, and halibut supplies are expected to tighten in the early months of 1978. New supplies of finfish products will be limited by seasonally low landings, quotas restricting catches here and abroad, and strong overseas markets that may draw supplies away from the United States. Demand is expected to remain good; except for some weaknesses in demand for sticks, cod fillets, halibut, and canned tuna. There may be increasing resistance to record finfish prices, and increased competition from relatively lower meat and poultry prices. Therefore, it would appear that finfish prices will be generally steady.

REVIEW AND OUTLOOK

FISH BLOCKS, STICKS AND PORTIONS

STICKS AND PORTIONS

Consumption of fish sticks and portions in the first half of 1977 was 223 million pounds, virtually the same as the record consumption of a year earlier (table 1). Demand continued to be strong despite a one-third increase in sticks and portion prices from a year ago. High stick and portion production has led to tighter supplies of blocks, prompting an increase in both imports and prices of blocks.

Table 1.--Supply and utilization of fish sticks and portions, January-June 1976-77

Component	1976	1977	Change
	-Million pounds-		Percent
Beginning inventory	35.3	31.0	- 12
Production			
Sticks	50.1	48.1	- 4
Portions	173.9	176.1	+ 1
Total	224.0	224.3	-
Imports	.4	.3	- 25
Total supply	259.7	255.6	- 2
Ending inventory	36.3	32.8	- 10
Apparent consumption	223.4	222.8	-

Supplies of sticks and portions in the first half of 1977 were 2 percent below a year earlier because of a 4-million pound decrease of January 1 inventories. Consumption and production were virtually unchanged from a year earlier, and ending inventories were lower.

Portion production was 176 million pounds, up one percent or 2 million pounds over 1976. The continued strength of the fast food market this year is considered the key factor in this slight gain, since portions are market primarily in this segment of the food service industry.

Wholesale prices of portions rose substantially in the first half of 1977, particularly prices of cod portions, which climbed 12 percent from January to July to a record $1.12 a pound. Pollock portion prices also hit a record $0.73 a pound in July; however, the 7-percent increase since January was much lower than that of cod. The increase reflects the gain in the prices of blocks, the raw material for sticks and portions.

Wholesale prices of cod and pollock sticks posted similar increases to those for portions. The higher prices mean sticks faced stiffer competition from other protein products and in turn sales of sticks experienced a slowdown. At the retail level, according to the National Marine Fisheries Service (NMFS) monthly survey of retail prices, prices of fish sticks increased 15 percent, while prices of competiting protein products increased less. For example, the price of ground beef gained only 4 percent and the price of hot dogs rose 10 percent during the first half of 1977. This competition becames significant at the retail level, since fish sticks are marketed almost exclusively in retail grocery stores. The slowdown of sales was reflected in a 4-percent decline in production of fish sticks to 48 million pounds in the first 6 months of 1977.

FISH BLOCKS

Supplies of 255 million pounds of blocks in the first half of 1977 were equal to those of a year earlier. Imports increased to record levels, and offset lower beginning inventories (table 2).

Table 2.--Supply and utilization of fish blocks, January-June 1976-77

Component	1976	1977	Change
	-Million pounds-		Percent
Beginning inventory	79.0	61.1	- 23
Production	1.4	2.8	+ 100
Imports	174.2	190.9	+ 10
Total supply	254.6	254.8	-
Ending inventory	48.3	48.4	-
Disappearance	206.3	206.4	-

Despite the fact that total disappearance of blocks was the same in the first half of 1977 as a year earlier, there was a significant drop in cod and haddock block usage (table 3). This drop apparently caused increased utilization of flounder, pollock, whiting and minced blocks, as several major processors switched from cod and haddock blocks. Cod continues to dominate the utilization of blocks with 97 million pounds or 47 percent of the total, although usage declined 6 percent from a year ago. The second most important species, pollock, gained 8.5 million

pounds and comprised a quarter of the block utilization.

Table 3.--Disappearance of fish blocks, by species, January-June 1976-77

Species	1976	1977	Change
	-Million pounds-		- Percent -
Cod	103.3	97.1	- 6
Flounder	5.6	7.0	+ 25
Haddock	24.1	14.7	- 39
Pollock	42.1	50.6	+ 20
Whiting	7.6	11.3	+ 49
Minced	7.5	11.7	+ 56
Other	14.1	14.0	- 1
Total	206.3	206.4	-

The demand for blocks prompted a gain in imports to a record 191 million pounds in the January-June 1977 period. Cod retained its leading share with 54 percent of the total imports of blocks, and pollock was next with 24 percent (table 4). Denmark was the leading supplier of blocks, followed by Iceland, Norway, Canada, and the Republic of Korea. Among the principal suppliers of cod blocks, Denmark, Norway, and Iceland increased their shipments slightly in the first half of 1977 over a year earlier, but Canada increased shipments by 74 percent. The Republic of Korea continued to be the leading supplier of pollock blocks with 56 percent, followed by Iceland, a distant second with 14 percent.

Table 4.--Imports of fish blocks, by species, January-June 1976-77

Species	1976	1977	Change
	-Million pounds-		-Percent -
Cod	95.2	103.0	+ 8
Flounder	4.9	5.0	+ 2
Haddock	16.7	14.9	- 11
Pollock	34.4	45.2	+ 31
Whiting	8.3	7.2	- 13
Minced	6.4	9.2	+ 44
Other	8.3	6.4	- 23
Total	174.2	190.9	+ 10

The tighter supply and strong demand for blocks have caused blocks prices to continue to move upward. Price increases have differed among species (table 5). Prices of cod blocks reached $1.00 a pound in July, up 9 percent from January 1977. Alaska pollock prices increased 33 percent or 16 cents in January-June 1977 to 65 cents a pound; prices of Atlantic pollock blocks rose 23 percent and were quoted at one cent below Alaska pollock.

Table5.--Percent change in wholesale prices of fish blocks, by species

Species	Jul.77 price	Change Jan.-Jul. 77	Change Jul. 76-Jul. 77
	-Cents per lb-	-Percent-	-Percent-
Cod	100.0	+ 9	+ 28
Cod, minced	38.0	+ 11	+ 18
Flounder	96.0	-	-
Haddock	104.1	+ 11	+ 29
Pollock, Atlantic	64.1	+ 23	+ 28
Pollock, Alaska	65.0	+ 33	+ 50
Whiting	53.4	+ 17	+ 23

OUTLOOK

Consumption of fish sticks and portions is expected to drop slightly from year earlier levels during the rest of 1977 and in the first half of 1978. The continued strength of the fast food market should cause sales of portions to grow slightly. The major fast food chains continue to expand, although several others have lowered the number of new units due to financial problems. Retail grocery stores sales of sticks and portions will decline as the spread increases between prices of sticks and prices of meat and poultry. Overall, gains in the food service industry may not offset the expected declines in sales for retail grocery stores.

Prices of sticks and portions will likely increase moderately through the second half of 1977 and into 1978. The increase will be related to further gains in the price of fish blocks. The supply of blocks will likely be sufficient to support the slightly lower consumption in the rest of 1977. However, supplies may become tight in the early months of 1978. At present, fishing by major suppliers to the United States is declining seasonally, and it is further restricted by catch quotas. In addition, stronger demand for fillets and blocks in Europe will continue to divert supplies from the United States.

U.S. holdings of blocks have improved substantially and the 76 million pounds in storage

on August 31, 1977 were above the most recent 5-year average for this date primarily because of a 22-million-pound increase in July.

As for meat and poultry, the U.S. Department of Agriculture forecasts that beef prices will be steady for the rest of 1977; however, supplies will be lower in 1978, and prices are expected to increase 6 to 8 percent above this year. During the rest of 1977, pork prices should decline moderately from a seasonal peak in August. Supplies of pork in 1978 will be higher than in 1977, so prices should continue to fall. Poultry supplies are expected to be moderately higher than the previous-year levels during the rest of 1977 and in 1978, but prices should remain higher after seasonal changes are considered.

GROUNDFISH FILLETS

Lower supplies limited U.S. consumption of groundfish fillets in the first half of 1977 to 195 million pounds--5 percent below 1976 (table 6). Imports were down because of lower shipments of ocean perch, turbot, and flounder fillets. The failure of the Canadian ocean perch fishery was the primary cause of the 53-percent drop in ocean perch fillet imports. Higher U.S. landings partially offset lower imports. Reduced total supplies and a fairly strong demand for cod, flounder, and turbot fillets left total inventories of fillets 20 percent below a year earlier on June 30.

Table 6.--Supplies and utilization of groundfish fillets, January-June 1976-77

(Fillet weight)

Component	1976	1977	Change
	-Million pounds-		- Percent -
Beginning inventory	51.9	53.2	+ 2
U.S. landings	26.5	36.6	+ 38
Imports	168.8	138.5	- 18
Total supply	247.2	228.3	- 8
Ending inventory	42.0	33.6	- 20
Apparent consumption	205.2	194.7	- 5

Total fillet consumption declined 5 percent, primary because of the 24-percent drop in ocean perch consumption. Consumption of cod, flounder, and turbot fillets changed only slightly from a year earlier. The only product that posted a significant increase in consumption was haddock fillets (fig. 1).

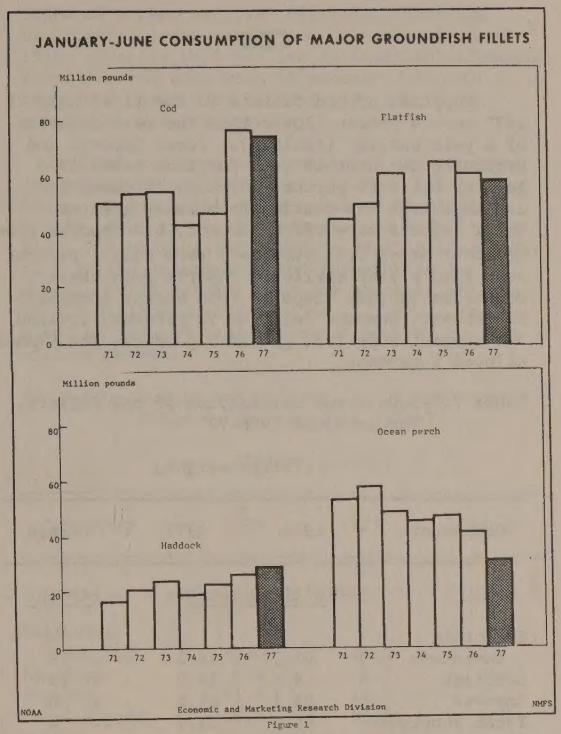

Figure 1

The strong demand for cod and turbot fillets was reflected in a substantial increase in wholesale prices during the first half of 1977 while flounder prices rose moderately (fig 2). Wholesale prices of haddock and ocean perch advanced only 1 and 2 percent, respectively. Late in the first half of 1977, cod fillet prices eased off 2 cents from a record high of 95.6 cents a pound in May.

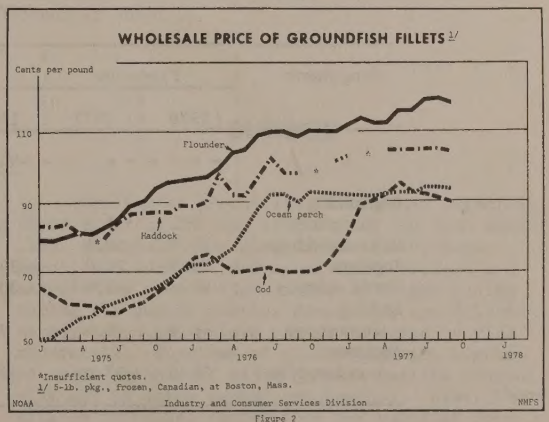

Figure 2

COD

Supplies of cod fillets in the first half of 1977 were 4 percent lower than the record levels of a year earlier (table 7). Lower imports and beginning inventories held supplies below 1976 levels, but a 65-percent increase in domestic landings kept the decline from being greater. Total imports were off 6 percent, but imports from the four major U.S. suppliers were only 1 percent less than a year earlier. Imports from these countries varied: imports from Norway increased 21 percent; Demmark declined 20 percent; Iceland, the largest supplier, gained 3 percent; and Canada slipped 1 percent.

Table 7.--Supply and utilization of cod fillets, January-June 1976-77

(Fillet weight)

Component	1976	1977	Change
	-Million pounds-		Percent
Beginning inventory	21.7	16.2	- 25
Landings	8.5	14.0	+ 65
Imports	65.1	61.5	- 6
Total supply	95.3	91.7	- 4
Ending inventory	18.6	16.0	- 14
Apparent consumption	76.7	75.7	- 1

Demand for cod fillets was strong for most of the first half of 1977, although, a slight easing appeared late in the first half. Demand from the fast food operators remains strong; however, other segments of food service industry and retail grocery stores have reported lower sales of cod because of its high prices, lower-priced red meat, and increased use of lower-priced fillets. For the first half of 1977, consumption slipped 1 percent below last year's record high of 77 million pounds. After a rapid rise, wholesale prices of cod fillet eased off 2 cents in June from a high in May of 95.6 cents a pound. Carry-over inventories of the first half of 1977 were 16 million pounds compared with 18.6 million pounds a year earlier.

FLATFISH

Total supplies of flatfish (flounder and turbot) fillets in the first half of 1977 were off 6 percent from a year earlier (table 8). Higher beginning inventories and domestic landings were not enough to offset a sharp decline in imports. Inventories on January 1, 1977 were almost 5 million pounds above the previous year, and domestic flounder landings increased nearly 2 million pounds. However, the 11-million-pound decline in imports limited supplies. Even with lower supplies, consumption of 60 million pounds was only 1 percent under a year earlier. This left June 30 inventories extremely low at 9.3 million pounds, or about a 30-day supply.

Supplies of flounder fillets declined 3 percent during the first half of 1977 compared with a year earlier. A 19-percent drop in imports was due primarily to a 25-percent decline of flounder catches in Canada, the leading United States supplier. This decline in imports outweighed the higher beginning inventories and improved domestic landings. Because of limited supplies, consumption declined 3 percent to 37 million pounds. Lower supplies and relatively strong demand combined to bring prices of flounder fillets to a record $1.20 a pound in July 1977, 7 percent above the price of $1.10 a pound that prevailed throughout the second half of 1976.

Table 8.--Supply and utilization of flounder and turbot fillets, January-June 1976-77

(Fillet weight)

Component	Flounder		Turbot		Total		Change in total
	1976	1977	1976	1977	1976	1977	
	-Million pounds-						Percent
Beginning inventory	7.1	9.1	5.6	8.5	12.7	17.6	+ 39
U.S. landings	10.4	12.1	-	-	10.4	12.1	+ 16
Imports	26.3	21.2	24.4	18.2	50.7	39.4	- 22
Total supply	43.8	42.4	30.0	26.7	73.8	69.1	- 6
Ending inventory	5.8	5.4	7.4	3.9	13.2	9.3	- 30
Apparent consumption	38.0	37.0	22.6	22.8	60.6	59.8	- 1

Turbot fillet consumption increased slightly during the first half of 1977, even though supplies were 11 percent below a year earlier. Despite a 52-percent increase in beginning inventories, a 25-percent reduction in imports limited supplies to 27 million pounds, principally because of an 8.6-million-pound drop in imports from Japan. Strong demand and lower supplies led to reduced turbot holdings by the end of June to nearly one-half of the 1976 level. Strength in sales was reflected in the jump of wholesale prices of turbot fillets--nearly 25 percent in the second quarter--to levels comparable with prices of cod and ocean perch fillets. The wholesale price of turbot in January was 72.8 cents a pound; it climbed to 94 cents by June, but slipped 3 cents in July.

HADDOCK

Steady demand and low supplies continue to dominate the market picture for haddock fillets. Total supplies increased 3 percent in the first half of 1977 from a year earlier, because of higher domestic landings and an 8-percent gain in imports (table 9). Consumption increased 5 percent to 28 million pounds. Since consumption was greater than new supplies, inventories were drawn down to just under a month's supply on June 30, 1977.

Low supplies relative to demand kept wholesale prices high, although prices remained steady at $1.05 a pound for most of the second quarter. Retail prices gradually increased to a record $1.84 a pound in June, up 7 percent since the beginning of 1977.

Table 9.--Supply and utilization of haddock fillets, January-June 1976-77

(Fillet weight)

Component	1976	1977	Change
	Million pounds		Percent
Beginning inventory	7.5	5.1	- 32
U.S. landings	2.7	4.4	+ 63
Imports	21.3	22.9	+ 8
Total supply	31.5	32.4	+ 3
Ending inventory	5.0	4.6	- 8
Apparent consumption	26.5	27.8	+ 5

OCEAN PERCH

Low supplies dominated the market situation for ocean perch fillets during the first half of 1977. Imports from Canada, the major United States supplier, were sharply lower and only a third of a year earlier; first-half Canadian landings of ocean perch were only one-sixth of 1976. Despite this decline in Canadian shipments, total imports were down 53 percent from 1976 because imports from Iceland were 1-½ times greater than a year earlier.

Greater carryover inventories and improved domestic landings kept supplies from being even lower. Total supplies amounted to 35 million pounds, down 11 million pounds from 1976 (table 10). The shortage of quantity available relative to quantity demanded caused inventories to dwindle by 75 percent from the start of the year to 3.7 million pounds on June 30, 1977. The low supplies reduced consumption 24 percent to 31.5 million pounds.

Table 10.--Supply and utilization of ocean perch fillets, January-June 1976-77

(Fillet weight)

Component	1976	1977	Change
	Million pounds		Percent
Beginning inventory	10.0	14.3	+ 43
Landings	4.9	6.1	+ 24
Imports	31.5	14.8	- 53
Total supply	46.4	35.2	- 24
Ending inventory	5.2	3.7	- 29
Apparent consumption	41.2	31.5	- 24

Despite limited supplies, prices were extremely steady in the first half of 1977. Wholesale prices for Canadian ocean perch fillets were quoted at 92 to 93 cents a pound for the 9 months ending June 1977, but showed added strength in July when the average price increased 1 cent. In contrast, retail prices in the first half continued to increase and hit a record $1.68 a pound in June.

OUTLOOK

Supplies of groundfish fillets are expected to be tight by the end of the year and into early 1978, especially for flounder, haddock, ocean perch, and turbot. Prices of these fillets are expected to remain high. After a slight easing during the summer months, demand for cod fillets strengthened and prices can be expected to rise moderately. Supplies of groundfish will tighten as world catches of major species decline seasonally and as catch quotas are reached. Also, there will be increased competition for supplies from

the European market, particularly from the United Kingdom. Tighter world supplies will limit imports of fillets to about 130 to 135 million pounds--a drop of 11 to 14 percent in the second half of 1977 from a year earlier. In addition, strong demand from the U.S. block market could divert supplies from the fillet market.

Tighter supplies combined with the high prices could limit consumption to about 155 to 162 million pounds in the second half of 1977--a decline of 4 to 8 percent from a year earlier. The outlook for individual species is mixed. Cod and flounder consumption is expected to decrease slightly. Supply of turbot appears to be sufficient to match consumption of a year ago. The continued shortage of ocean perch fillets will depress second-half consumption. Possibly, the only increase in consumption will be for haddock.

Because of their high price, fillets will be faced with continued competition from meat and poultry at least through the first 3 to 4 months of 1978. Beef prices are expected to rise moderately. Pork prices will decline seasonally from a summer peak. Poultry prices will remain higher than a year earlier after declining seasonally this fall. Even with moderate increases in prices of beef and poultry, the competition should remain stiff for fillets.

HALIBUT

Supplies of Pacific halibut during the first half of 1977 increased 6 percent from last year to 21.7 million pounds (table 11). A 14-percent gain in beginning inventories and a 13-percent increase in landings more than offset the decline in imports.

Table 11.--Supply and utilization of halibut, January-June 1976-77

(Dressed weight)

Component	1976	1977	Change
	-Million pounds-		Percent
Beginning inventory	8.3	9.5	+ 14
Landings	7.0	7.9	+ 13
Imports	5.2	4.3	- 17
Total supply	20.5	21.7	+ 6
Ending inventory	6.7	6.4	- 4
Exports	nil	3.0 1/	-
Apparent consumption	13.8	12.3	- 11

1/ Estimated.

Although U.S. supplies were higher in the first half of 1977 than a year earlier, the International Pacific Halibut Commission (IPHC) reported that the stocks of halibut are far below their productive capacity. The Commission reduced the combined catch quota for the United States and Canada to 22 million pounds (dressed weight), 3 million pounds below the 1976 quota. An added wrinkle of the 1977 season was that fishing was permitted in four separated periods or until the catch quota was reached. The Commission closed Area 3 (the Gulf of Alaska) to fishing on July 30, when the catch was expected to hit the 11-million-pound quota. Fishing in Area 2 (South of Cape Spencer, Alaska) was slower, and 5.3 million pounds was caught during the first two fishing periods. Fishing in Area 2 continued into the fourth period. After three fishing periods, the combined landings of the United States and Canada totalled 18.2 million pounds. U.S. fishermen harvested 11 million pounds, about 61 percent of the total. Canada fisherman took 7.1 million pounds.

The lower level of the resource has limited catches and has led to reduced shipments of halibut from Canada and Japan, the leading suppliers to the United States. Canadian shipments to the United States amounted to 4.6 million pounds or 70 percent of the total, and Japan sent 1.3 million pounds.

Consumption of halibut appeared to have increased in the first half of 1977 from 1976. However, Japan reportedly made large purchases of halibut before the fishing season started, and this greatly reduced inventories. It is estimated that shipments could have totalled 2 to 4 million pounds. Export data for halibut are not tabulated separately by the Bureau of the Census.

Inventories at the beginning of 1977 were 14 percent higher than the previous year. Apparently, higher retail prices (up 8 percent) during the second half of 1976 caused lower sales. The retail price in New York City started at $3.25 a pound in 1977, increased 30 cents by March, but gradually declined to $3.23 a pound by July. Meanwhile, the wholesale price in New York City was steady through the first 5 months of 1977, but rose slightly during the summer months. The price hit a record $1.75 a pound in August.

OUTLOOK

Supplies of halibut in the second half of 1977 are expected to be lower than a year earlier, because the 3-million-pound reduction in the quota for 1977 will limit catch and imports from Canada. The reduced supplies and higher prices are likely to further reduce consumption. Higher exvessel prices will add pressure on prices at the wholesale and retail levels during the rest of 1977 and into 1978, but gains will be dampened by fairly stiff buyer resistance to the higher price levels.

SALMON

The market for canned salmon in the first half of 1977 was marked by vastly improved supplies, fairly steady prices, and excellent sales. Consumption of canned salmon was an estimated 1.2 million standard cases or 57 million pounds. Despite the 50-percent gain from 1976, consumption was still about 20 percent below the 1969-72 average of 1.5 million cases.

Through August 21, the 1977 Alaska salmon pack was 15 percent ahead of last year and was 3 percent more than the 1968-72 average production (table 12). As of August 21, 1977, the salmon pack was 2.5 million standard cases, over 328,000 cases above last year's production. The improved pack of pinks, 246,000 cases, was the primary cause of the overall gain. The first sizable production of pinks in over 3 years in the southeastern region of Alaska more than offset the drop in the central region. However, a strike in Kodiak drastically affected all salmon production, and probably restricted pink salmon production the most. The production of reds was equal to the 1976 season through August 21. Although the pack of chums registered the largest percentage gain (29 percent), the chum production was still only 15 percent of the total.

Table 12.--Alaska canned salmon pack through August 21, by species, 1976-77

Species	1976	1977	Change
	Standard cases		Percent
King	12,658	10,002	- 21
Red	912,129	912,449	-
Coho	16,089	17,535	+ 9
Pink	956,162	1,202,277	+ 26
Chum	288,414	317,499	+ 29
Total	2,185,452	2,513,812	+ 15

As in Alaska, the British Columbia salmon pack was substantially above a year earlier. Through the end of August, the pack of pink salmon was up 63 percent, and accounted for one-half of the total of 1.26 million cases. The production of reds was 43 percent higher. The pack of chums improved slightly, and comprised only 3.5 percent of the total compared with about 10 percent in recent years.

Beside the improved pack, carryover stocks on June 1 helped bolster supplies of canned salmon. Canner's stocks on June 1 were 517,076 cases--53 percent above a year earlier, but still below the 1968-72 average carryover of 782,000 cases. Over one-half of the stocks were pink salmon, and 22 percent were red salmon.

From the completion of the 1976 canning season to the start of the 1977 season, wholesale prices of canned salmon were relatively steady, except for some minor adjustments to reflect changes in levels of sales and stocks. For example, excellent sales of red salmon in late 1976 kept prices high, and they increased slightly (3 percent) as stocks were drawn down. The large carryover of pinks prompted canners to lower prices by $3 to $4 a case this spring, but prices have increased slightly since then. Chum prices have remained steady since fall 1976. Prices of 1-lb cans of salmon at the end of August were $88 to $90 a case for reds, $66 to $70 for pinks, and $58 to $60 for chums (fig. 3).

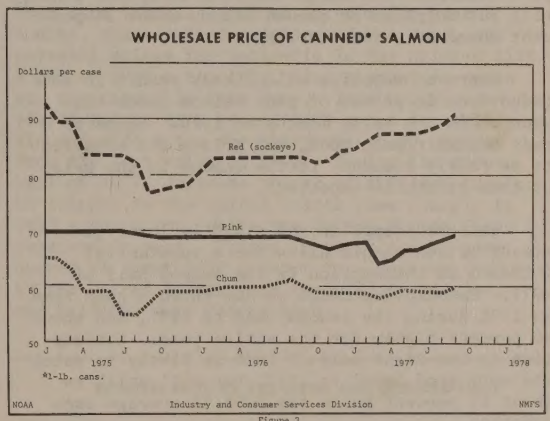

Figure 3

At the retail level, prices of canned pink salmon were steady at around $2.00 a pound for the first 8 months of 1977, the same as a year earlier, based on an NMFS survey of retail fish prices. Canned red salmon prices were steady through the spring, but rose about 4 percent in early summer to $2.70 a pound.

The improved U.S. supplies of canned salmon also contributed to the 110-percent increase in canned exports to 8.2 million pounds in the first half of 1977. Exports to the United Kingdom, the leading buyer of canned salmon were 2.6 million pounds, nearly doubled the amount shipped in 1976. Canada was second with 2.1 million pounds, follower by the Netherlands and Australia.

Although exports of canned salmon were up, imports in the first 6 months of 1977 declined to 67,000 pounds, down substantially from the 2.2 million pounds imported a year earlier.

The market for fresh and frozen salmon was marked by heavy buying by the Japanese--United States exports doubled in the first half of 1977 from a year earlier. There was uncertainty among Japanese buyers about the impact of the Soviet Union's 200-mile fishing zone; it was feared that the regulations would eliminate Japanese fishing for salmon in that zone. Of the 20 million pounds

exported in the first half of 1977, Japan purchased 9.8 million pounds compared to 713,000 pounds in 1976. France, the leading buyer a year ago, bought 4.4 million pounds, followed by the United Kingdom with 1.8 million pounds.

OUTLOOK

With the 1977 salmon season over, it appears that the total U.S. pack of canned salmon could reach 2.8 million standard cases, the largest since 1971, but still 8 percent below the 1968-72 average pack of 3.05 million cases. The improved pack combined with larger midyear carryover stocks will put supplies of canned salmon about 14 percent ahead of a year earlier.

Improved supplies will likely result in some reductions in prices of pink salmon later this year or in the early months of 1978. Sales of reds should remain good, and prices are expected to be fairly steady. Little change in the price of chum salmon is expected.

Improved supplies and slightly lower to steady prices should allow for a substantial increase in consumption in the second half of 1977. Consumption could be one-third higher than in 1976 during the second half of 1977, and about 40 percent higher for the entire year. Consumption in the first half of 1978 is likely to match the very good level in 1977, but will still be about 15 percent below the 1968-72 average consumption.

Exports of both fresh and frozen salmon, and canned salmon should remain good in second half of 1977. Excellent packs both in the United States and Canada and relatively stable prices provide a good market outlook for sales of canned salmon. Exports of fresh and frozen salmon are likely to be higher than in 1976, although the heavy buying by the Japanese has subsided.

SARDINES

Supplies of canned sardines during the first half of 1977 increased slightly from a year earlier to 34 million pounds. An 18-percent gain in imports offset the 33-percent drop in the Maine sardine pack. However, first-half supplies were about one-quarter below levels of the early 1970's.

Imports of canned sardines during the first half of 1977 were 29.1 million pounds compared to 24.7 million pounds received in 1976. Norway, the leading supplier of canned sardines to the United States, increased their shipments 29 percent to 10.7 million pounds, over one-third of total sardine imports. Imports in the first half from South Africa were 26 percent below a year earlier, because the pilchard resource has been overfished and lower catch quotas were established. Increased imports from Peru and Mexico have made up the difference.

Production of Maine sardines declined 33 percent in the first half of 1977 from 1976; however, first-half production averaged about 25 percent of the annual total in 1975-76. Preliminary data from the Maine Sardine Council indicate that during the normally peak months of July and August the pack declined 13 percent from a year earlier.

Wholesale and retail prices in the first half of 1977 were relatively stable. The wholesale price of Maine sardines increased 4 percent to $24 for a case of 100 3-3/4 oz cans. The Bureau of Labor Statistics retail price at Baltimore dropped 1 cent a can to 33.5 cents a can in June.

OUTLOOK

Supplies of canned sardines in the second half of 1977 are expected to be slightly below a year earlier. The domestic pack is likely to be 20 percent lower, and imports will be about the same as in 1976. The sardine pack in Norway was reported to be above average with abundant supplies. Lower pilchard catch in South Africa will keep production levels down.

Lower domestic pack and lower South African production will reduce overall supplies, so that prices could increase slightly in the second half of 1977.

TUNA

The market was drastically affected when most of the U.S. fleet of tuna purse seiners stopped fishing during a critical 2-month period. As a result, canneries received only one-half as much domestic-caught tuna in the first half of 1977 as they did a year earlier, and their total receipts fell 25 percent, despite an 18-percent increase in receipts of imported raw tuna. The shortage caused canneries to bid up prices, and price increases for canned tuna followed. Prices hit record highs at all levels.

The tuna seiners returned to port earlier than usual because of court litigation about quotas on incidental catch of porpoises. The seiners returned to sea in mid-May after the porpoise quotas for 1977 were established. A compromise quota was reached in which the seiners could kill no more than 68,900 porpoises, including 6,500 Eastern spinner dolphins, for which the quota was previously set at zero.

This interruption reduced cannery receipts of domestic-caught tuna to 84,634 short tons in the

first half of 1977 from the record 176,667 tons a year earlier (table 13). Receipts of domestic-caught skipjack were down 48 percent to 38,027 tons; yellowfin receipts declined 57 percent to 43,595 tons.

Table 13.--Receipts of domestic-caught tuna by U.S. canners, by species, January-June 1976-77

Species	1976	1977	Change
	-Short tons-		- Percent -
Albacore	245	172	- 30
Bluefin	2,496	1,113	- 55
Skipjack	73,109	38,027	- 48
Yellowfin	100,743	43,595	- 57
Bonito	74	1,727	1/
Total	176,667	84,634	- 52

1/ Greater than 200 percent.

Increased imports of raw tuna partially offset the lower landings. Imports amounted to 268 million pounds--an 18-percent increase above a year earlier (table 14). The gain was led by skipjack (up 30 percent), followed by albacore (up 20 percent). Japan continued to be the major supplier of raw tuna with 35 percent of total imports. Panama was a distant second with only 7 percent.

Table 14.--U.S. imports of raw and canned tuna, by species or type, January-June 1976-77

Component	1976	1977	Change
	-Thousand pounds-		-Percent-
Raw tuna			
Albacore	66,009	78,905	+ 20
Yellowfin	54,303	60,010	+ 11
Skipjack	95,775	124,321	+ 30
Not specified	10,690	4,290	- 60
Total raw	226,777	267,526	+ 18
Canned tuna			
In oil	162	89	- 45
In brine			
Albacore	10,939	9,931	- 9
Other	11,587	7,722	- 33
Total in brine	22,526	17,653	- 22
Total canned	22,688	17,742	- 22

Although imports of raw tuna increased, imports of canned tuna declined 22 percent. Apparently, higher raw tuna prices abroad and the highly uncertain U.S. market have limited imports of canned tuna. For the first half of 1977, imports of canned tuna totalled 17.7 million pounds, down nearly 5 million pounds from a year earlier. Canned imports were about 7 percent of the total supply (U.S. pack plus canned imports), approximately the same as the first half of 1976.

Lower total receipts of raw tuna resulted in a decline in the tuna pack to 12,661,000 standard cases, down over 3 million cases from the first half of 1976. Lower supplies prompted canners to bid for the limited raw tuna supplies, thereby raising tuna prices. At the start of the year, exvessel prices were established at $665 a short ton for yellowfin and $620 a ton for skipjack. When tuna vessels remained in port for over 2 months, this limited supplies of raw tuna, and exvessel prices for yellowfin in May climbed $120 a ton to $785 a ton (fig. 4). Another increase was negotiated in late June. This brought exvessel prices to a record $820 a ton for yellowfin and $785 a ton for skipjack--up 30 percent from the last sales in 1976. During the first half of 1977, Japanese prices of skipjack tuna to be shipped to the United States rose sharply to $880 a short ton, while the United States fleet remained in port. Prices in early August were quoted at about $950 a short ton; however, exports to the United States were reported to be slow, and holdings were fairly high.

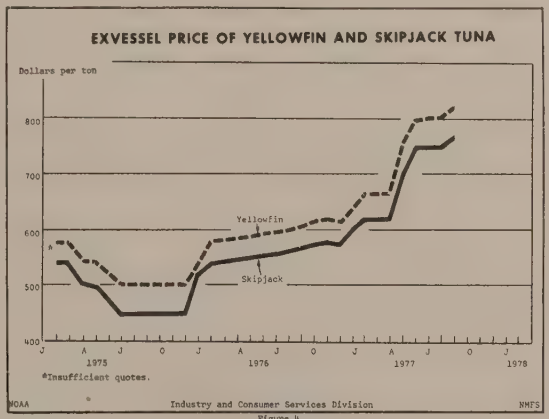

Figure 4

Although the cessation in fishing did not directly affect albacore supplies, prices paid to albacore fishermen increased 16 percent to $1,165 a ton when the albacore season commenced in late June. The increase may be partially in response to a 60-percent decline of albacore catches in the Japanese pole and line fishery. Exvessel prices in Japan increase over one-third between May and July.

Higher raw tuna prices were passed on by the canners. The price of private label chunk light

tuna was raised $7 a case to $29.50 a case in the first half of 1977, a jump of 31 percent. However, prices of major brands of chunk light tuna rose 12 percent because canners were reportedly sufficiently stocked early in the year. Prices for white meat or albacore tuna were steady in the first 7 months of 1977, and canners were offering promotional discounts off list prices of $39 and $37.50 a case to increase sales.

At the retail level, prices of light meat tuna rose 11 percent in the first half of 1977 to a record 74 cents a can. Prices of white meat tuna has been fairly steady after an increase in February.

OUTLOOK

Receipts of domestic-caught tuna will be substantially lower for the year, even if fishing remains fairly good in the rest of 1977, because the U.S. tuna fleet will not be able to make up for their lost fishing time. Imports of raw tuna will increase slightly for the rest of 1977 compared to a year earlier. Slower sales of canned tuna caused by the record prices should limit the amount of raw tuna required by canners. It was reported that Japanese exports of skipjack tuna to the United States were at a virtual standstill in August because of high tuna prices.

Slower movement of canned tuna in the summer months caused canners to give promotional allowances to enhance sale. Record tuna prices have been limiting sales. In addition, sales of tuna may be limited in the rest of 1977 and early 1978, because it is expected that beef prices will rise only moderately, that pork prices will fall, and that broiler prices will rise only slightly.

The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this department. Use of funds for printing this publication approved by the Office of Management and Budget, July 26, 1973; this approval expires June 30, 1978.

STATISTICAL APPENDIX

Table A 1.--Supplies and utilization of sticks and portions, 1976-77
(Product weight)

Year	Supplies					Utilization		
	Beginning stocks	Production			Imports	Total	Ending stocks	Apparent consumption
		Sticks	Portions	Total				
	Million pounds							
1976								
January	35.3	8.8	27.2	36.0	1/	71.3	35.1	36.2
February	35.1	10.0	27.1	37.1	1/	72.2	32.3	39.9
March	32.3	11.1	34.4	45.5	1/	77.8	30.2	47.6
1st quarter	35.3	29.9	88.7	118.6	0.1	154.0	30.2	123.8
April	30.2	6.6	32.1	38.7	.1	69.0	31.8	37.2
May	31.8	6.6	27.4	34.0	.1	65.9	33.6	32.3
June	33.6	7.0	25.7	32.7	.1	66.4	36.3	30.1
2d quarter	30.2	20.2	85.2	105.4	.3	135.9	36.3	99.6
July	36.3	5.6	23.4	29.0	1/	65.3	33.3	32.0
August	33.3	7.2	29.1	36.3	1/	69.6	32.0	37.6
September	32.0	7.9	33.7	41.6	1/	73.6	30.8	42.8
3d quarter	36.3	20.7	86.2	106.9	.1	143.3	30.8	112.5
October	30.8	7.5	29.7	37.2	1/	68.0	32.3	35.7
November	32.3	8.5	26.1	34.6	1/	66.9	34.2	32.7
December	34.2	6.6	24.2	30.8	1/	65.0	31.0	34.0
4th quarter	30.8	22.6	80.0	102.6	.1	133.5	31.0	102.5
1977								
January	31.0	7.1	26.3	33.4	1/	64.4	31.9	32.5
February	31.9	9.9	26.9	36.9	1/	68.7	29.7	39.1
March	29.7	10.8	35.6	46.4	.1	76.1	29.5	46.6
1st quarter	31.0	27.8	88.9	116.7	.1	147.8	29.5	118.3
April	29.5	7.7	30.5	38.2	.1	67.8	29.8	38.0
May	29.8	6.0	29.2	35.2	1/	65.0	29.1	35.9
June	29.1	6.6	27.6	34.2	.1	63.4	32.8	30.6
2d quarter	29.5	20.3	87.2	107.6	.2	137.3	32.8	104.5
July	32.8				1/		29.8	
August	29.8						28.6	
September	28.6						29.4	
3d quarter								
October								
November								
December								
4th quarter								

1/ Less than 50,000 pounds.

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A2 .--Wholesale prices for fish sticks and portions, monthly, 1975-77

Month	Sticks, cooked				Portions, raw breaded			
	Cod	Haddock	Pollock	Whiting	Cod	Haddock	Pollock	Whiting
	Cents per pound							
1975								
January	75.3	75.8	56.3	55.0	73.6	74.3	53.4	51.0
February	72.5	73.0	53.3	55.0	71.0	71.5	51.0	51.0
March	72.5	73.0	53.3	55.0	71.0	71.5	51.0	51.0
April	72.5	73.0	53.3	55.0	71.0	71.2	51.0	51.0
May	72.5	73.0	53.3	55.0	71.0	71.0	51.0	51.0
June	72.5	73.0	53.3	55.0	71.0	71.0	51.0	51.0
July	72.5	73.0	53.3	55.0	71.0	71.0	51.0	51.0
August	72.5	73.0	53.3	55.0	71.0	71.0	51.0	51.0
September	72.5	73.0	53.3	55.0	71.0	71.0	51.0	51.0
October	72.5	73.0	53.3	55.0	71.0	71.0	51.0	51.0
November	72.3	74.5	53.8	55.0	71.0	71.8	52.0	51.0
December	73.3	75.3	54.2	61.4	72.4	72.5	53.0	54.0
Average	72.8	73.6	53.7	55.5	71.3	71.6	51.5	51.3
1976								
January	73.3	75.3	54.0	62.0	71.0	72.5	53.0	54.0
February	74.4	76.0	54.5	61.8	72.5	74.1	53.3	55.8
March	78.4	79.2	57.2	61.2	76.8	79.0	54.0	61.0
April	79.0	80.0	58.0	61.0	76.8	79.0	54.0	61.0
May	83.2	84.7	62.3	62.3	81.9	85.3	59.0	61.0
June	87.3	89.3	66.5	63.0	87.0	91.5	64.0	1/
July	89.1	90.8	66.4	69.7	88.0	91.5	63.7	67.5
August	90.0	91.8	66.3	73.0	88.5	91.5	65.5	67.5
September	88.8	92.5	67.2	73.0	88.5	91.5	66.9	68.7
October	90.0	94.6	67.4	72.3	90.6	93.0	66.4	68.5
November	96.0	99.3	66.0	70.0	97.0	97.5	66.0	65.5
December	96.0	99.3	66.0	70.0	97.0	97.5	66.0	65.5
Average	85.5	87.7	62.7	66.6	84.6	87.0	61.0	63.3
1977								
January	98.0	101.2	68.3	71.5	100.8	101.5	68.0	67.5
February	100.0	103.0	70.5	73.0	104.5	105.5	70.0	69.5
March	106.5	110.5	70.9	70.5	105.0	108.0	70.0	69.0
April	106.5	110.5	71.0	70.5	105.0	108.0	70.0	69.0
May	106.5	110.5	71.0	70.5	105.0	108.0	70.0	69.0
June	108.0	110.8	72.5	70.9	109.5	111.3	71.8	70.2
July	109.0	111.0	73.5	72.5	112.5	113.5	73.0	71.0
August	109.0	111.0	73.5	72.5	112.5	113.5	73.0	71.0
September	115.0	115.5	80.3	73.6	114.8	116.9	78.3	71.0
October								
November								
December								
Average								

1/ Insufficient quotes.

Note: Prices to primary wholesalers as quoted by producers at Boston, Gloucester, and New Bedford.
Source: Fishery Market News Report, National Marine Fisheries Service, Boston, Mass.

Table A3 .--Supplies and utilization of frozen fish blocks, monthly, 1976-77
(Product weight)

Year	Supplies				Utilization	
	Beginning stocks	Production	Imports	Total	Ending stocks	Disappearance
	Million pounds					
1976						
January	79.0	0.1	23.6	102.7	65.7	37.0
February	65.7	.1	19.3	85.1	58.3	26.8
March	58.3	.3	42.9	101.5	50.2	51.3
1st quarter	79.0	.5	85.8	165.3	50.2	115.1
April	50.2	.4	28.9	79.5	46.0	33.5
May	46.0	.3	26.4	72.7	47.7	25.0
June	47.7	.2	33.1	81.0	48.3	32.7
2d quarter	50.2	.9	88.4	139.5	48.3	91.2
July	48.3	.3	35.3	83.9	60.0	23.9
August	60.0	.2	36.7	96.9	62.2	34.7
September	62.2	.2	47.2	106.9	66.6	43.0
3d quarter	48.3	.7	119.2	168.2	66.6	101.6
October	66.6	.1	30.0	96.7	63.9	32.8
November	63.9	.2	30.2	94.3	63.1	30.7
December	63.6	.3	25.1	89.0	61.1	27.9
4th quarter	66.6	.6	85.3	152.5	61.1	91.4
Year	79.0	2.7	378.7	460.4	61.1	399.3
1977						
January	61.1	.3	24.8	86.2	52.9	33.2
February	52.9	.2	21.9	75.0	45.4	29.6
March	45.4	.4	35.2	81.0	40.6	40.4
1st quarter	61.1	1.0	81.9	144.0	40.6	103.4
April	40.6	.5	38.7	79.8	45.6	34.2
May	45.6	.7	34.2	80.5	44.6	35.9
June	44.6	.6	36.2	81.4	48.4	33.0
2d quarter	40.6	1.8	109.0	151.4	48.4	103.0
July	48.4	.5	40.9	89.8	70.4	19.4
August	70.4	.4	41.2	112.0	76.7	35.3
September	76.7	.1			86.7	
3d quarter						
October						
November						
December						
4th quarter						

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A 4.--Wholesale prices for frozen fish blocks, monthly, 1975-77

Month	Cod	Cod, minced	Flounder	Haddock	Pollock	Pollock, Alaska	Whiting	Wolffish
				-Cents per pound				
1975								
January	59.0	26.0	61.0	59.0	37.4	31.0	36.1	60.2
February	59.0	26.4	61.0	59.0	37.5	31.8	36.8	62.0
March	58.8	25.5	61.0	59.0	37.5	34.5	36.9	61.5
April	58.0	25.0	61.0	58.0	37.5	34.5	37.0	60.6
May	58.0	20.0	61.0	58.0	37.5	33.6	36.5	60.8
June	57.3	1/	61.3	58.0	37.2	32.7	36.5	60.3
July	56.5	19.9	62.0	58.0	36.6	33.0	36.5	60.1
August	56.4	19.4	62.3	58.0	36.5	33.9	36.4	59.5
September	56.5	19.0	62.5	58.4	36.5	34.6	37.4	59.5
October	56.5	19.0	62.5	58.7	36.5	35.5	37.4	59.6
November	57.3	20.0	63.2	60.0	36.5	35.7	38.8	60.0
December	59.4	23.7	65.7	60.6	36.5	36.2	39.5	60.0
Average	57.7	22.1	62.0	58.7	37.0	33.9	37.2	60.4
1976								
January	60.8	25.0	74.1	61.1	36.5	35.6	39.5	60.0
February	62.5	25.0	75.5	63.4	37.0	36.0	39.4	60.5
March	65.6	26.0	77.4	68.0	38.1	37.5	39.0	61.0
April	69.1	29.3	83.0	70.0	40.0	38.4	39.5	1/
May	73.5	30.4	86.0	74.5	44.8	39.5	41.0	1/
June	75.5	33.0	96.0	80.1	49.0	42.0	42.0	1/
July	78.3	33.0	96.0	81.0	50.1	43.4	43.4	1/
August	78.5	33.9	96.0	81.4	50.9	46.8	43.8	1/
September	79.0	34.4	96.0	83.5	52.0	49.0	44.6	82.5
October	83.2	34.1	96.0	85.5	52.0	48.9	45.0	1/
November	85.1	34.5	96.0	88.8	52.0	49.0	45.5	84.5
December	87.6	34.5	96.0	89.8	52.0	49.0	45.5	84.5
Average	74.9	31.1	89.0	77.2	46.2	43.0	42.4	72.2
1977								
January	91.4	35.1	96.0	93.8	52.0	49.0	45.5	85.0
February	93.8	35.6	95.6	96.6	52.0	48.6	45.5	85.7
March	95.0	36.4	95.5	100.0	52.2	49.5	45.6	86.6
April	95.8	37.4	95.5	100.0	53.4	1/	46.0	84.5
May	97.9	39.0	96.0	100.0	57.0	59.5	47.8	84.5
June	99.9	39.5	96.0	102.3	61.3	60.2	50.4	88.0
July	100.0	38.8	96.0	104.1	64.1	65.0	53.4	88.0
August	100.0	36.6	96.0	104.2	66.0	67.0	55.8	88.0
September	100.0	35.2	96.0	104.0	66.0	68.0	58.2	89.0
October								
November								
December								
Average								

1/ Insufficient quotes.

Note: Prices to processors as quoted by producers, importers, and brokers at Boston, Gloucester, and New Bedford.
Source: Fishery Market News Report, National Marine Fisheries Service, Boston, Mass.

Table A5.--U.S. imports of blocks and slabs, by country and species, January-June 1975-77

Country	Cod			Flatfish 2/			Haddock			Pollock			Other			Total		
	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977
	Million pounds			Million pounds			Million pounds			Million pounds			Million pounds			Million pounds		
Denmark	16.4	24.3	25.5	1/	1/	1/	1.9	.5	4.1	.9	.8	3.0	1.0	1.4	3.0	20.2	27.0	35.5
Iceland	12.8	18.4	19.2	.1	.6	.2	4.5	6.1	2.9	5.1	3.9	6.5	.8	3.4	3.0	23.4	32.4	31.8
Norway	14.6	22.2	22.5	1/	1/	1/	3.6	9.1	4.5	-	1.8	1.1	.6	.5	.5	18.9	33.7	28.6
Canada	9.5	9.8	17.1	3.6	3.7	4.3	.2	.2	.1	.9	.9	.4	2.7	3.1	3.7	16.8	17.5	25.6
Rep. of Korea	-	.3	.1	-	-	-	-	-	-	15.5	22.5	25.3	-	-	-	15.5	22.8	25.4
Japan	3.5	.6	6.1	1.7	.2	2.1	-	-	1/	9.0	1.9	5.3	1.9	1.2	1.4	16.2	3.9	14.9
Poland	2.3	5.7	3.5	-	-	-	-	-	1/	-	1.2	3.4	.8	2.4	1.7	3.1	9.3	8.6
Greenland	5.6	1.5	6.3	-	-	1/	-	-	-	-	-	-	.8	.9	1.1	6.4	2.4	4.8
United Kingdom	.1	.4	.5	.1	1/	1/	.5	.4	3.0	.5	.3	.2	.5	.7	1.1	6.4	1.8	7.4
Other	2.1	12.0	2.2	.1	1.6	.1	-	.4	.3	.1	1.1	-	4.5	8.1	5.6	6.7	23.3	8.3
Total	66.9	95.2	103.0	5.6	6.1	6.7	10.7	16.7	14.9	32.0	34.4	45.2	13.6	21.7	21.1	128.8	174.1	190.9

1/ Less than 500,000 pounds.
2/ Includes 1.7 million pounds of turbot.

Source: U.S. Deparment of Commerce, Bureau of the Census.

Table A 6.--U.S. imports of fillets, by country and species, January-June 1975-77

Country	Cod			Flatfish 1/			Haddock 2/			Atlantic ocean perch			Total		
	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977	1975	1976	1977
	--Million pounds--			--Million pounds--			--Million pounds--			--Million pounds--			--Million pounds--		
Canada	11.2	15.4	15.2	13.2	21.4	19.2	3.4	4.7	6.7	27.8	29.5	9.7	55.6	71.0	50.8
Iceland	18.6	25.9	27.0	.1	.1	.1	5.4	7.5	8.6	.6	1.6	4.1	24.7	35.1	39.8
Japan	.9	1.7	1.5	22.1	26.1	16.5	.1	.5	.7	3/	.1	3/	23.1	28.4	18.7
Denmark	5.1	9.3	7.4	.4	.4	.7	1.5	4.0	4.8	3/	3/	3/	7.0	13.7	12.9
Norway	4.7	7.5	9.1	3/	.1	.1	4.2	5.2	3.2	.3	.1	.1	9.2	12.9	12.5
United Kingdom	.2	.6	.3	.7	.5	.5	1.5	2.3	2.2	.1	.1	.5	2.5	3.5	3.5
Poland	3/	3/	-	1.3	.8	1.3	-	-	-	-	-	.1	1.3	.8	1.4
Miquel	.2	.9	.4	3/	.2	.1	-	3/	3/	3/	.2	.2	.2	1.3	.6
Netherland	.1	.2	-	.2	.2	.5	3/	.1	3/	.1	-	3/	.4	.5	.5
Others	.1	3.6	.6	.2	.8	.4	.4	.9	.3	.3	.1	-	1.0	5.4	1.3
Total	41.1	65.1	61.5	38.0	50.6	39.4	16.5	25.2	26.5	29.2	31.7	14.7	125.0	172.6	142.0

1/ Includes Greenland turbot.
2/ Includes cusk, hake and pollock.
3/ Less than 500,000 pounds.

Source: U.S. Department of Commerce, Bureau of the Census.

Table A 7.--Supplies and utilization of fresh and frozen cod, monthly, 1976-77
(Fillet weight)

Month	Supplies				Utilization	
	Beginning stocks 1/	Landings 2/	Imports 3/	Total	Endings stocks 1/	Apparent consumption
	Million pounds					
1976						
January	21.7	0.9	13.2	35.8	20.4	15.4
February	20.4	1.0	5.4	26.8	19.3	7.5
March	19.3	1.2	11.4	31.9	18.0	13.9
1st quarter	21.7	3.1	30.0	54.8	18.0	36.8
April	18.0	1.3	12.8	32.1	17.9	14.2
May	17.9	2.0	6.6	26.5	19.4	7.1
June	19.4	2.1	15.8	37.3	18.6	18.7
2d quarter	18.0	5.4	35.2	58.6	18.6	40.0
July	18.6	1.5	10.7	30.8	19.5	11.3
August	19.5	1.6	8.9	30.0	20.5	9.5
September	20.5	1.7	8.2	30.4	21.9	8.5
3d quarter	18.6	4.8	27.8	51.2	21.9	29.3
October	21.9	1.8	10.4	34.1	20.5	13.6
November	20.5	1.3	8.2	30.0	17.3	12.7
December	17.3	1.4	7.0	25.7	16.2	9.5
4th quarter	21.9	4.5	25.6	52.0	16.2	35.8
Year	21.7	17.8	118.6	158.1	16.2	141.9
1977						
January	16.2	1.2	9.9	27.2	13.6	13.6
February	13.6	1.3	10.0	24.9	13.6	11.3
March	13.6	1.7	9.2	24.6	10.0	14.5
1st quarter	16.2	4.2	29.1	49.5	10.0	39.5
April	10.0	2.3	14.3	26.7	15.7	11.0
May	15.7	3.4	8.3	27.4	17.5	9.9
June	17.5	4.1	9.8	31.4	16.0	15.4
2d quarter	10.0	9.8	32.4	52.2	16.0	36.2
July	16.0	2.8	9.5	28.3	18.1	10.2
August	18.1	2.7	17.6	38.4	23.6	14.8
September	23.6				29.5	
3d quarter						
October						
November						
December						
4th quarter						
Year						

1/ Source: Frozen Fishery Products, Statistics and Market News Division, National Marine Fisheries Service.
2/ Source: New England Press Report Landings, Gloucester, Mass. This is the sum of landings at principal New England ports adjusted to approximate New England landings.
3/ Source: Department of Commerce, Bureau of the Census.

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A 8.--Exvessel, wholesale, and retail prices of cod, monthly, 1970-77

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Cents per pound							
Exvessel price 1/													
1970	15.7	14.7	15.0	11.8	8.2	10.7	11.5	16.2	15.2	14.1	13.1	16.4	13.6
1971	20.3	13.4	12.6	12.6	9.4	11.7	14.8	18.1	15.6	15.0	19.2	20.3	15.3
1972	25.4	25.2	22.0	18.3	15.2	16.4	17.3	18.0	19.4	22.0	24.5	30.9	22.1
1973	24.1	24.7	24.3	20.0	13.1	14.3	18.9	20.1	18.4	17.4	23.4	29.1	20.7
1974	23.8	24.8	28.0	25.7	16.8	15.7	14.9	20.2	21.3	18.3	24.1	24.9	21.5
1975	26.2	25.5	33.6	26.8	17.3	22.2	22.5	23.4	26.3	24.7	26.5	30.7	25.6
1976	39.2	38.9	38.8	32.2	20.6	19.8	22.5	24.2	26.5	33.0	32.0	28.5	29.7
1977	32.8	31.5	29.3	22.3	16.0	15.1	18.3	22.4					
Wholesale price, frozen fillets 2/													
1970	31.5	31.5	31.5	31.5	31.5	31.5	32.0	32.0	33.5	35.4	37.5	43.3	33.6
1971	42.6	43.5	43.5	43.4	43.7	44.2	45.6	45.5	46.9	46.0	46.3	48.8	45.1
1972	50.5	51.1	54.0	56.0	55.8	55.5	55.9	56.0	54.5	53.8	51.7	49.0	53.7
1973	49.3	51.4	53.3	58.0	59.6	63.5	64.0	67.1	73.5	77.9	77.8	79.0	64.5
1974	79.0	79.0	79.9	79.1	76.8	72.0	66.0	65.0	65.0	65.0	65.0	65.0	71.4
1975	64.9	62.9	61.0	60.5	60.5	58.0	58.0	60.5	61.5	64.0	67.2	70.8	62.5
1976	74.6	75.0	72.0	70.0	70.0	70.9	71.1	70.0	70.0	70.5	71.3	75.4	71.7
1977	80.8	89.0	90.4	92.8	95.6	93.6	92.1	90.9	89.5				
Wholesale price, fresh fillets 3/													
1970	78.0	75.0	85.0	80.0	59.0	62.0	70.0	78.0	80.0	72.0	73.6	79.4	83.6
1971	93.3	89.0	81.4	84.5	70.2	71.4	76.5	81.0	86.3	85.8	90.0	93.0	83.6
1972	113.4	118.5	118.8	92.2	94.3	94.4	95.0	97.8	105.0	110.0	110.0	120.0	106.0
1973	134.3	122.0	119.0	115.0	97.1	109.0	117.6	133.1	119.0	114.3	120.5	140.0	120.0
1974	134.8	139.5	142.0	139.0	117.0	107.0	113.9	123.4	130.0	126.1	131.1	129.5	127.8
1975	142.0	144.2	153.9	158.3	124.1	137.3	137.7	141.3	166.1	149.6	149.6	156.0	146.7
1976	176.3	177.5	178.0	162.5	145.0	146.0	155.0	165.6	161.9	168.1	164.4	159.0	163.3
1977	192.5	186.9	174.5	158.1	129.4	140.5	141.9	153.5					
Retail price, frozen fillets 4/													
1970	63.2	63.6	64.6	65.4	65.0	66.7	68.3	68.8	68.2	60.2	60.6	69.7	66.7
1971	72.4	74.9	77.1	77.1	77.7	79.0	79.0	81.0	80.4	81.3	81.6	81.5	78.5
1972	82.7	84.0	84.7	86.2	87.1	87.5	91.5	91.2	92.8	93.6	97.4	97.1	89.7
1973	99.2	100.5	100.6	102.9	107.1	109.3	109.5	112.7	114.4	121.4	125.7	128.3	111.1
1974	131.7	133.3	136.5	136.7	141.3	139.6	141.3	143.2	145.2	143.6	146.0	145.0	140.3
1975	147.5	146.7	144.6	148.3	145.2	144.6	144.1	138.8	148.2	144.1	153.0	146.7	146.0
1976	148.6	148.9	148.8	152.0	152.6	153.5	155.5	150.3	153.1	151.9	150.3	150.1	151.3
1977	152.9	161.3	163.1	162.1	164.5	166.8	169.9	172.6					
Retail price, fresh fillets 5/													
1970	92.5	95.0	98.0	104.0	97.8	105.3	99.6	96.5	102.3	107.8	106.5	109.2	101.2
1971	112.8	119.3	127.1	126.9	125.8	124.5	129.0	129.4	126.4	128.3	128.4	134.5	126.0
1972	135.6	127.8	144.0	131.5	124.0	124.0	124.0	124.0	137.9	140.3	139.0	159.8	134.3
1973	185.5	179.0	184.5	184.0	174.5	170.6	170.0	179.3	180.0	183.4	181.1	195.1	180.6
1974	195.0	203.5	200.1	202.2	193.0	189.1	179.3	186.0	201.8	197.2	200.8	200.8	195.7
1975	215.8	213.3	214.3	232.9	216.8	213.3	212.3	207.8	222.8	231.7	228.9	219.0	219.1
1976	243.5	243.8	242.6	242.8	244.0	234.0	226.5	238.0	243.0	247.8	268.0	231.5	242.2
1977	251.5	251.0	254.0	269.1	249.0	246.0	237.8	238.0					

1/ Source: Production and Value of Fisheries at Major New England Ports, weighted average.
2/ Source: Fishery Market News Report, Statistics and Market News Division, average prices for 5-lb pkg of Canadian fillets. Series for cod and ocean perch 1-lb pkg have been converted to 5-lb pkg series to make it consistent with all groundfish fillet prices. Data for 1-lb pkg series are available upon request.
3/ Average monthly price for domestic fillets, New York City Fulton Market.
4/ Source: Estimated Retail Food Prices by City. Bureau of Labor Statistics, at New York City.
5/ Retail Price Report, New York Market Information Service, average monthly price for domestic fillets.

Table A 9.--Supplies and utilization of fresh and frozen flounder, monthly, 1976-77

Month	Supplies				Utilization	
	Beginning stocks	Landings	Imports	Total	Ending stocks	Apparent consumption
	Million pounds					
1976						
January	7.1	1.2	3.4	11.7	6.2	5.6
February	6.2	1.3	3.0	10.5	5.2	5.3
March	5.2	1.7	5.0	11.9	4.7	7.1
1st quarter	7.1	4.2	11.4	22.7	4.7	18.0
April	4.7	1.8	4.5	11.0	4.9	6.1
May	4.9	2.1	4.0	11.0	4.9	6.1
June	4.9	2.3	6.4	13.6	5.8	7.7
2d quarter	4.7	6.2	14.9	25.8	5.8	19.9
July	5.8	2.2	4.8	12.8	6.8	6.1
August	6.8	2.2	4.6	13.6	7.7	5.8
September	7.7	2.8	5.8	16.3	8.4	7.9
3d quarter	5.8	7.2	15.2	28.2	8.4	19.9
October	8.4	1.7	4.2	14.3	8.1	6.2
November	8.1	1.9	4.0	14.0	9.2	4.8
December	9.2	1.3	4.5	15.0	9.1	5.9
4th quarter	8.4	4.9	12.9	26.0	9.1	16.9
Year	7.1	22.5	54.3	83.9	9.1	74.8
1977						
January	9.1	1.4	2.4	12.9	7.5	5.4
February	7.5	1.7	1.5	10.6	5.9	4.7
March	5.9	2.2	4.4	12.5	4.7	7.8
1st quarter	9.1	5.2	8.2	22.5	4.7	17.8
April	4.7	2.3	3.5	10.4	4.4	6.0
May	4.4	2.5	3.6	10.5	5.0	5.5
June	5.0	2.1	5.9	13.0	5.4	7.6
2d quarter	4.7	6.9	13.0	24.6	5.4	19.2
July	5.4	2.1	5.4	12.9	7.4	5.5
August	7.4	2.5	5.9	15.8	8.4	7.4
September	8.4				8.8	
3d quarter						
October						
November						
December						
4th quarter						

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A10.--Supplies and utilization of turbot fillets, monthly, 1976-77

Year	Supplies				Utilization	
	Beginning stocks	Landings	Imports	Total	Ending stocks	Apparent consumption
	Million pounds					
1976						
January	5.6	-	7.4	13.0	9.4	3.6
February	9.4	-	3.3	12.7	10.0	2.7
March	10.0	-	7.6	17.6	10.1	7.6
1st quarter	5.6	-	18.3	23.9	10.1	13.8
April	10.1	-	2.8	12.9	8.9	4.0
May	8.9	-	2.4	11.3	8.8	2.3
June	8.8	-	1.0	9.8	7.4	2.4
2d quarter	10.1	-	6.1	16.2	7.4	8.8
July	7.4	-	1.6	9.0	6.2	2.7
August	6.2	-	2.3	8.5	6.1	2.5
September	6.1	-	3.3	9.4	5.3	4.1
3d quarter	7.4	-	7.2	14.6	5.3	9.4
October	5.3	-	3.5	8.8	4.7	4.1
November	4.7	-	7.7	12.4	8.1	4.3
December	8.1	-	3.8	11.9	8.5	3.4
4th quarter	5.3	-	15.0	20.3	8.5	11.8
Year	5.6	-	46.6	52.2	8.5	43.8
1977						
January	8.5	-	3.1	11.6	7.5	4.1
February	7.5	-	2.7	10.2	5.9	4.3
March	5.9	-	2.9	8.8	3.3	5.5
1st quarter	8.5	-	8.7	17.2	3.3	13.9
April	3.3	-	4.0	7.3	3.8	3.4
May	3.8	-	2.5	6.3	3.9	2.4
June	3.9	-	2.9	6.8	3.9	2.9
2d quarter	3.3	-	9.5	12.8	3.9	8.9
July	3.9	-	2.5	6.4	4.0	2.4
August	4.0	-	2.7	6.7	5.4	1.3
September	5.4	-			8.1	
3d quarter						
October						
November						
December						
4th quarter						

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A11.--Exvessel, wholesale, and retail prices of flatfish, monthly, 1970-77

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
	Cents per pound												
Exvessel prices 1/													
1970	18.8	21.3	21.5	17.6	11.1	16.2	14.6	14.1	12.9	11.6	9.7	9.8	15.0
1971	13.1	16.4	19.1	19.0	13.1	12.6	13.7	22.1	13.7	16.6	16.0	18.6	16.2
1972	20.4	22.5	19.9	19.6	19.5	20.9	17.6	14.3	18.3	16.6	17.5	21.5	19.1
1973	17.7	34.9	28.9	32.4	18.3	15.8	19.9	24.5	13.8	14.4	28.6	28.6	23.2
1974	28.2	33.8	38.9	38.2	22.1	18.4	18.1	18.0	21.3	24.0	33.1	21.3	27.1
1975	39.6	42.4	47.8	40.0	28.0	31.1	27.7	24.4	37.6	38.6	39.3	49.4	37.2
1976	49.2	61.0	59.1	41.1	37.7	42.3	35.7	36.0	24.0	48.8	42.0	47.9	43.7
1977	53.7	55.0	51.9	43.8	40.0	43.0	44.0	42.5					
Wholesale price, frozen fillets 2/													
1970	52.8	53.6	53.5	53.9	53.8	53.5	53.4	53.0	53.5	53.1	53.5	51.8	53.5
1971	51.8	48.0	47.5	47.5	47.5	48.5	48.5	49.5	51.1	52.0	53.0	53.0	59.7
1972	53.8	53.9	56.2	58.0	59.7	64.0	66.3	67.5	72.9	73.4	74.9	76.0	64.7
1973	77.9	78.1	79.1	80.5	80.2	80.0	81.8	83.2	84.9	84.9	85.0	85.0	81.7
1974	84.6	84.9	85.0	84.8	84.0	81.0	76.6	80.4	79.8	78.6	78.0	79.0	81.6
1975	79.0	79.0	80.0	81.0	81.0	83.8	85.0	88.8	90.5	94.2	96.0	96.5	86.2
1976	97.0	97.8	100.0	104.0	105.3	109.8	110.0	110.0	109.0	110.0	110.0	110.0	106.1
1977	111.9	114.0	113.2	113.8	116.0	116.4	119.5	119.7	118.1				
Retail price, fresh fillets 3/													
1970	131.4	137.8	138.6	135.2	125.3	130.3	128.0	124.0	124.0	124.0	131.6	123.0	129.1
1971	135.0	142.8	150.0	145.3	145.3	151.0	149.0	141.6	141.0	135.3	144.0	145.3	144.7
1972	152.8	156.5	162.8	167.8	161.0	166.5	170.0	170.0	166.5	167.5	180.3	176.5	166.5
1973	178.6	204.0	225.7	236.6	224.0	216.6	219.4	231.6	227.5	223.0	234.0	232.9	221.2
1974	224.5	249.0	256.0	267.5	244.5	230.3	217.9	227.6	227.6	230.2	239.4	242.7	238.2
1975	267.9	287.9	289.0	309.0	281.8	271.8	295.3	257.0	251.8	270.4	266.9	300.7	279.2
1976	324.0	334.0	362.0	340.3	301.9	312.5	298.1	277.0	277.0	300.8	309.5	302.9	311.7
1977	332.1	347.8	329.0	342.9	308.3	317.5	307.5	320.0					
Retail price, frozen fillets 4/													
1970	97.9	98.6	98.6	96.9	95.0	96.6	97.2	97.2	97.3	98.4	98.4	98.8	97.6
1971	96.4	100.0	100.0	98.9	94.7	94.7	94.1	94.2	95.1	94.8	94.8	94.9	96.3
1972	97.5	99.6	98.0	98.9	103.3	102.5	105.1	110.8	111.7	116.3	110.6	116.7	105.9
1973	117.4	117.9	123.9	128.5	128.8	131.0	132.6	134.1	133.5	138.8	145.9	147.7	131.1
1974	152.0	157.9	153.1	155.1	153.4	155.1	157.6	154.3	156.7	156.4	151.7	152.2	154.7
1975	158.5	158.7	160.4	160.0	161.4	158.7	159.1	163.6	169.6	177.1	178.7	185.8	166.0
1976	186.4	188.1	193.6	193.9	206.3	205.0	206.5	210.5	209.6	213.2	214.9	215.4	203.6
1977	221.6	227.3	224.0	227.6	232.6	236.8	241.2	235.8					

1/ Source: Production and Value of Fisheries at Major New England Ports, average monthly price for yellowtail flounder.
2/ Source: Fishery Market News Report, Statistics and Market News Division, average prices for 5-lb pkg of Canadian fillets, at Boston, Mass.
3/ Source: Retail Price Report, New York Market Information Service, average monthly price for domestic fillets.
4/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, at Houston, Tex.

Table A12.--Supplies and utilization of fresh and frozen haddock, monthly, 1976-77
(Fillet weight)

Month	Supplies				Utilization	
	Beginning stocks 1/	Landings 2/	Imports 3/	Total	Ending stocks	Apparent consumption
	Million pounds					
1976						
January	7.5	0.3	3.6	11.4	7.4	4.0
February	7.4	.4	1.8	9.6	6.2	3.4
March	6.2	.5	4.3	11.0	5.7	5.2
1st quarter	7.5	1.2	9.7	18.4	5.7	12.7
April	5.7	.4	5.1	11.2	7.0	4.2
May	7.0	.6	1.7	9.3	5.9	3.4
June	5.9	.5	4.8	11.2	5.0	6.2
2d quarter	5.7	1.5	11.6	18.8	5.0	13.8
July	5.0	.2	3.8	9.0	4.7	4.3
August	4.7	.3	2.1	7.1	4.9	2.2
September	4.9	.4	4.3	9.6	4.7	4.9
3d quarter	5.0	.9	10.2	16.1	4.7	11.4
October	4.7	.3	4.3	9.3	3.9	5.4
November	3.9	.4	2.4	6.7	5.3	1.4
December	5.3	.3	2.1	7.7	5.1	2.6
4th quarter	4.7	1.0	8.8	14.5	5.1	9.4
1977						
January	5.1	.4	2.9	8.4	4.7	3.7
February	4.7	.7	3.2	8.6	5.2	3.4
March	5.2	.7	4.6	10.5	4.1	6.4
1st quarter	5.1	1.8	10.7	17.6	4.1	13.5
April	4.1	.7	5.9	10.7	5.3	5.4
May	5.3	.9	3.2	9.4	5.1	4.3
June	5.1	1.0	3.2	9.3	4.6	4.7
2d quarter	4.1	2.6	12.2	18.9	4.6	14.3
July	4.6	1.0	2.7	8.3	4.0	4.3
August	4.0	.9	3.5	8.4	4.1	4.3
September	4.1				6.1	
3d quarter						
October						
November						
December						
4th quarter						

1/ Source: Frozen Fishery Products, Statistics and Market News Division, National Marine Fisheries Service.
2/ Source: New England Press Report Landings, Gloucester, Mass. This is the sum of landings at principal New England ports adjusted to approximate New England landings.
3/ Source: Department of Commerce, Bureau of the Census.

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A13.--Exvessel, wholesale, and retail prices of haddock in the United States, monthly, 1970-77

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Cents per pound							
Exvessel price 1/													
1970	33.9	33.8	27.6	19.6	18.0	23.7	26.6	31.7	27.7	26.5	33.9	34.7	28.1
1971	39.8	29.3	27.4	25.0	20.7	24.8	31.7	38.0	30.0	35.5	40.6	45.6	32.4
1972	41.5	40.1	43.3	40.8	37.6	36.8	40.8	38.0	41.2	46.2	55.2	54.6	43.1
1973	40.7	41.4	40.6	44.2	42.2	32.9	35.1	35.8	39.7	35.0	45.4	51.3	40.4
1974	35.2	44.0	35.7	51.0	36.8	33.4	28.9	39.7	41.1	41.9	42.7	37.6	39.0
1975	30.3	38.9	43.6	39.8	21.4	29.3	43.9	30.5	35.2	38.0	34.2	47.4	36.1
1976	56.6	44.0	42.9	48.4	40.0	42.7	46.4	44.1	41.3	44.4	45.0	49.1	45.5
1977	42.5	36.0	43.6	38.6	28.9	27.9	25.4	31.0					
Wholesale price, frozen fillets 2/													
1970	53.9	53.6	54.0	54.6	53.5	53.6	54.0	54.5	55.6	58.0	58.6	58.9	55.2
1971	59.8	59.4	57.3	56.5	56.5	56.5	56.5	56.3	58.5	58.0	58.0	58.6	57.7
1972	59.0	59.0	59.2	59.5	59.5	68.8	73.4	76.5	77.5	77.5	77.5	77.5	68.7
1973	77.5	77.5	78.0	79.3	79.5	79.9	83.7	83.0	86.3	90.8	91.4	92.0	83.2
1974	92.0	92.0	96.1	96.8	85.0	85.0	85.8	86.9	85.0	85.0	85.0	85.0	88.3
1975	83.8	83.5	84.0	81.3	6/	80.0	84.5	86.3	86.7	87.0	87.0	89.6	84.9
1976	89.3	90.0	98.0	92.0	92.0	97.0	102.8	98.0	98.0	6/	6/	102.0	95.9
1977	103.9	6/	6/	105.5	105.5	105.4	105.0	105.0	104.2				
Wholesale price, fresh fillets 3/													
1970	115.0	112.2	70.0	67.5	56.0	74.5	89.0	94.5	97.0	73.5	102.5	145.0	91.4
1971	116.5	101.0	73.5	67.0	60.0	96.0	82.5	108.0	97.5	103.5	102.5	122.5	94.2
1972	150.0	125.0	105.0	145.0	150.0	100.0	112.5	110.0	125.0	135.0	135.0	160.0	129.4
1973	160.0	100.0	125.0	130.0	145.0	82.5	132.5	117.1	120.0	120.0	195.0	175.0	133.5
1974	127.5	125.0	125.0	200.0	120.0	100.0	102.5	120.0	152.5	120.0	130.0	147.5	149.4
1975	100.0	160.0	140.0	132.5	97.5	97.5	162.5	130.0	122.5	135.0	135.0	135.0	129.9
1976	195.0	155.0	160.0	155.0	160.0	175.0	140.0	170.0	162.5	170.0	175.0	6/	165.3
1977	265.0	150.0	175.0	250.0	125.0	130.0	105.0	105.0	165.0				
Retail price, frozen fillets 4/													
1970	80.6	83.5	85.3	86.0	87.4	88.4	89.4	89.4	90.9	90.0	91.5	92.6	87.9
1971	93.8	96.4	98.4	98.9	100.0	101.2	101.8	101.6	101.8	102.0	102.4	101.8	100.0
1972	102.4	102.7	102.9	103.4	104.0	104.9	105.3	106.9	108.4	108.8	112.0	113.7	106.3
1973	115.7	119.6	120.8	124.2	128.7	132.2	133.6	136.3	136.5	138.3	144.9	145.5	131.4
1974	147.6	149.4	150.2	149.8	150.4	148.9	149.7	150.5	149.3	147.3	150.1	149.5	149.4
1975	151.1	151.8	151.1	150.8	150.9	150.0	150.5	152.0	151.4	152.2	152.1	153.7	151.5
1976	153.2	156.2	155.9	157.7	158.3	160.7	165.7	167.4	168.5	171.1	170.0	171.8	163.0
1977	171.9	175.0	177.3	181.1	183.6	184.4	185.5	187.7					
Retail prices fresh fillets 5/													
1970	117.5	110.5	133.7	120.6	93.8	91.4	108.9	114.1	117.7	105.0	137.4	136.5	115.6
1971	155.9	145.6	140.1	121.0	134.7	148.1	150.0	162.4	165.3	157.0	163.3	172.2	151.3
1972	125.9	123.6	122.2	128.3	124.6	124.2	143.3	141.5	135.5	145.3	139.2	145.1	132.2
1973	6/	229.2	183.8	193.5	188.8	221.1	199.6	214.0	211.9	215.1	213.0	229.2	209.0
1974	216.8	222.8	213.4	239.8	206.9	219.9	214.1	207.9	210.6	203.3	206.8	213.9	214.6
1975	235.7	207.4	209.5	218.1	187.0	185.1	191.9	221.9	222.6	206.2	191.6	207.4	207.0
1976	258.4	252.9	210.2	238.2	226.0	206.8	213.0	219.4	230.3	230.9	245.7	241.4	231.1
1977	280.1	277.5	243.7	294.9	273.2	235.4	228.1	233.2					

1/ Source: Production and Value of Fisheries at Major New England Ports, weighted average.
2/ Source: Fishery Market News Report, Statistics and Market News Division, average prices for 5-lb pkg of Canadian fillets, at Boston, Mass.
3/ Source: Wholesale Prices and Price Index, Bureau of Labor Statistics, prices for 20-lb tins of domestic fillets at Boston, Mass.
4/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, average of retail price at 32 cities.
5/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, at Boston, Mass.
6/ Insufficient quotations to establish price.

Table A14.--Supplies and utilization of ocean perch, monthly, 1976-77
(Fillet weight)

Month	Supplies				Ending stocks	Apparent consumption
	Beginning stocks 1/	Landings 2/	Imports 3/	Total		
	-Million pounds-					
1976						
January	10.0	0.4	7.0	17.4	9.5	7.9
February	9.5	.4	6.0	15.9	8.2	7.7
March	8.2	1.2	8.8	18.1	7.8	10.4
1st quarter	10.0	2.0	21.8	33.8	7.8	26.0
April	7.8	1.0	3.7	12.5	6.8	5.7
May	6.8	.8	1.6	9.2	4.8	4.4
June	4.8	1.1	4.4	10.3	5.2	5.1
2d quarter	7.8	2.9	9.7	20.3	5.2	15.2
July	5.2	1.4	4.9	11.5	6.9	4.6
August	6.9	1.0	6.7	14.6	11.2	3.4
September	11.2	.8	8.4	20.4	15.8	4.6
3d quarter	5.2	3.2	20.0	28.4	15.8	12.6
October	15.8	.6	4.3	20.7	14.7	6.0
November	14.7	.5	2.7	17.9	14.5	3.4
December	14.5	.5	1.6	16.6	14.3	2.3
4th quarter	15.8	1.6	8.6	26.0	14.3	11.7
Year	10.0	9.7	60.1	79.8	14.3	65.5
1977						
January	14.3	.5	3.2	17.9	11.5	6.5
February	11.5	.7	1.8	14.0	8.2	5.8
March	8.2	1.6	3.1	12.9	6.5	6.4
1st quarter	14.3	2.8	8.2	25.3	6.5	18.8
April	6.5	.5	2.0	9.0	5.4	3.6
May	5.4	1.6	1.4	8.4	3.8	4.6
June	3.8	1.2	3.2	8.1	3.7	4.4
2d quarter	6.5	3.3	6.5	16.3	3.7	12.6
July	3.7	1.1	4.6	9.4	6.1	3.3
August	6.1	.9	6.4	13.4	7.5	5.9
September	7.5				8.5	
3d quarter						
October						
November						
December						
4th quarter						

1/ Source: Frozen Fishery Products, Statistics and Market News Division, National Marine Fisheries Service.
2/ Source: New England Press Report Landings, Gloucester, Mass. This is the sum of landings at principal New England ports adjusted to approximate New England landings.
3/ Source: Department of Commerce, Bureau of the Census.

Note: Figures may not add to total because of rounding. Data are preliminary.

Table A15.--Exvessel, wholesale, and retail prices of ocean perch, monthly, 1970-77

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
	Cents per pound												
Exvessel price 1/													
1970	5.0	4.6	4.6	4.5	4.5	4.9	5.2	5.4	5.4	5.4	5.5	5.5	5.0
1971	5.4	5.1	5.1	5.0	4.8	5.1	5.3	5.2	5.2	5.2	5.1	5.0	5.1
1972	5.3	5.2	5.4	5.4	5.7	5.3	5.7	6.2	6.4	6.3	5.7	6.4	5.8
1973	6.9	7.2	7.2	7.6	7.5	7.5	7.6	8.3	8.9	10.2	9.0	9.3	8.1
1974	9.9	9.4	9.5	8.7	7.9	7.8	7.2	7.2	7.4	7.8	8.1	8.0	8.2
1975	8.7	9.2	10.5	10.4	9.9	10.3	10.1	10.6	11.0	11.6	11.8	11.9	10.5
1976	12.1	12.2	13.6	13.6	13.8	13.0	13.8	14.2	14.1	14.2	15.2	28.5	14.9
1977	15.3	15.5	15.3	16.2	15.0	15.3	14.0	15.2					
Wholesale price, frozen fillets 2/													
1970	34.0	34.0	34.0	34.0	34.0	34.0	36.0	37.0	37.0	36.5	36.5	36.5	35.3
1971	36.5	36.5	36.5	37.0	37.0	36.0	36.0	36.0	34.6	35.0	35.0	35.0	35.9
1972	35.0	35.5	37.3	38.6	40.2	41.5	43.1	45.5	47.1	47.8	48.5	48.8	42.4
1973	50.2	51.5	53.6	54.3	55.4	55.5	55.8	59.5	62.5	63.0	62.9	63.5	57.3
1974	61.7	58.5	54.1	50.0	44.3	40.1	39.8	43.3	46.1	48.3	49.5	51.3	48.9
1975	49.5	50.4	54.3	56.4	57.5	60.3	62.2	63.7	64.5	65.3	68.2	70.5	60.2
1976	72.0	72.3	74.3	76.9	82.4	88.2	92.5	92.1	90.3	93.2	92.8	92.5	84.9
1977	92.0	92.0	92.0	92.0	92.5	92.7	94.0	94.0	93.8				
Retail price, frozen fillets 3/													
1970	59.4	61.3	61.6	63.2	63.3	63.8	64.0	65.7	64.6	56.3	66.6	68.5	63.2
1971	69.1	70.9	71.1	72.7	73.5	73.7	73.5	73.3	73.2	73.3	72.2	71.8	72.4
1972	73.4	73.7	72.5	73.1	73.3	73.8	75.2	77.1	78.0	82.1	84.6	85.1	76.8
1973	87.6	90.3	91.8	94.4	96.9	99.6	99.8	100.7	102.6	105.4	107.5	108.4	98.8
1974	115.5	110.4	108.1	109.9	108.5	107.1	108.3	107.3	105.9	106.4	106.5	107.3	108.1
1975	107.9	107.9	106.9	107.7	108.9	110.1	110.7	112.1	116.2	119.6	121.2	121.4	112.6
1976	122.9	125.3	126.9	130.6	134.4	136.2	141.3	147.2	153.9	155.0	156.9	160.8	140.9
1977	160.8	160.8	163.5	166.6	167.8	168.4	168.4	168.4					

1/ Source: Production and Value of Fisheries at Major New England Ports, weighted average.
2/ Source: Boston Fishery Market News Report, Statistics and Market News Division, average prices for 5-lb pkg of Canadian fillets. Series for cod and ocean perch 1-lb pkg have been converted to 5-lb pkg series to make it consistent with all groundfish prices. Data for the 1-lb pkg series are available upon request.
3/ Source: Estimated Retail Food Prices by City, Bureau of Labor Statistics, average of retail price at 39 cities.

Table A16.--Supplies and utilization of Pacific halibut, 1976-77
(Dressed weight)

Year	Supplies				Utilization	
	Beginning stocks	U.S. landings	Imports	Total	Ending stocks	Apparent consumption
	Million pounds					
1976						
January	8.3	-	0.8	9.1	6.8	2.3
February	6.8	-	.7	7.5	5.6	1.9
March	5.6	-	.8	6.4	4.9	1.5
1st quarter	8.3	-	2.3	10.6	4.9	5.7
April	4.9	0.2	.9	6.0	4.2	1.8
May	4.2	2.7	.8	7.7	4.4	3.3
June	4.4	4.1	1.2	9.7	6.7	3.0
2d quarter	4.9	7.0	2.9	14.8	6.7	8.1
July	6.7	3.8	2.0	12.5	9.8	2.7
August	9.8	3.0	1.8	14.6	13.6	1.0
September	13.6	.6	.7	14.9	14.0	.9
3d quarter	6.7	7.4	4.5	18.6	14.0	4.6
October	14.0	.2	.8	15.0	12.9	2.1
November	12.9	1/	.5	13.4	11.9	1.5
December	11.9	-	.6	12.5	9.5	3.0
4th quarter	14.0	.2	1.9	16.1	9.5	6.6
Year	8.3	14.6	11.6	34.5	9.5	25.0
1977						
January	9.5	-	.5	10.0	9.1	.9
February	9.1	-	.3	9.4	7.1	2.3
March	7.1	-	1.0	8.1	4.6	3.5
1st quarter	9.5	-	1.8	11.3	4.6	6.7
April	4.6	-	.5	5.1	4.2	.9
May	4.2	4.4	.9	9.5	3.1	6.4
June	3.1	3.5	1.1	7.7	6.4	1.3
2d quarter	4.6	7.9	2.5	15.0	6.4	8.6
July	6.4	2.3	2.3	11.0	9.4	1.6
August	9.4		.7		10.5	
September	10.5				10.4	
3d quarter						
October						
November						
December						
4th quarter						
Year						

1/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding. Data are preliminary.

Table A 17--Exvessel, wholesale, and retail prices of Pacific halibut, monthly, 1970-77

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Cents per pound							
Exvessel price, Seattle 1/													
1970	-	-	-	43.4	40.1	43.0	44.4	39.8	34.9	32.5	35.6	-	39.2
1971	-	-	-	34.9	33.1	35.8	36.2	36.7	39.4	41.6	-	-	36.8
1972	-	-	-	60.3	58.1	65.7	70.5	73.7	79.9	-	-	-	68.0
1973	-	-	-	-	-	79.0	84.5	86.6	-	-	-	-	83.4
1974	-	-	-	-	75.0	79.0	79.0	79.6	80.5	-	-	-	78.6
1975	-	-	-	-	90.0	91.3	94.8	102.7	108.5	-	-	-	97.5
1976	-	-	-	-	na	na	na	na	na	na	-	-	na
1977	-	-	-	-	na	na	na	na	na	na			na
Exvessel price, Prince Rupert 1/													
1970	-	-	-	-	39.4	42.6	42.5	38.9	35.6	31.7	-	-	38.5
1971	-	-	-	-	33.6	32.7	34.0	37.4	37.8	-	-	-	35.1
1972	-	-	-	-	59.8	66.6	72.5	76.3	78.5	-	-	-	70.7
1973	-	-	-	-	-	73.4	78.2	81.4	86.0	-	-	-	79.8
1974	-	-	-	-	-	67.8	71.0	77.3	78.6	-	-	-	73.7
1975	-	-	-	-	75.0	81.0	93.0	na	111.7	-	-	-	83.8
1976	-	-	-	-	134.0	134.9	127.1	125.2	123.7	-	-	-	130.4
1977	-	-	-	-	na	123.5	136.2	137.2	139.5				
Wholesale price 2/													
1970	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.0	57.3	56.7	55.3	54.9	56.9
1971	54.2	54.2	55.0	53.0	53.0	53.0	53.1	53.1	53.1	53.5	55.0	58.5	54.1
1972	62.0	62.1	67.6	72.0	76.8	77.0	85.0	90.1	92.2	95.0	95.0	95.0	80.8
1973	91.8	91.7	90.4	88.0	97.1	99.6	99.6	105.0	105.0	105.0	102.5	102.5	98.0
1974	102.5	102.5	103.0	105.0	99.8	95.8	98.3	98.3	105.0	105.0	105.0	105.0	102.1
1975	105.7	107.1	108.3	115.0	115.0	120.0	120.0	127.0	145.5	149.0	150.0	150.0	126.0
1976	150.0	150.0	150.0	150.0	150.0	165.0	165.0	170.0	173.0	173.0	170.0	170.0	161.4
1977	170.0	170.0	170.0	170.0	170.6	172.9	173.5	175.0	175.0				
Retail price 3/													
1970	106.0	102.5	101.9	111.8	116.0	112.8	110.0	108.0	112.8	108.3	106.6	106.6	108.4
1971	106.5	107.8	107.9	107.8	111.5	110.0	110.0	104.0	107.1	112.8	108.9	109.7	108.7
1972	115.1	124.0	124.0	126.5	135.6	137.0	139.0	158.0	160.3	162.0	164.0	167.8	142.8
1973	174.2	169.3	170.7	174.0	172.3	174.0	174.0	177.8	181.8	184.0	192.0	192.0	178.0
1974	194.5	202.0	200.3	206.0	193.3	197.0	192.0	209.0	208.0	209.0	211.5	210.7	202.8
1975	202.8	209.1	204.0	205.3	208.1	225.5	229.4	231.0	254.0	280.0	284.0	284.0	234.8
1976	290.3	289.0	299.6	305.5	302.8	319.0	299.0	299.0	295.0	317.0	310.2	324.0	304.2
1977	325.3	339.0	355.0	351.8	349.0	338.0	322.9	341.0					

1/ Weighted average price for medium size.
2/ Dressed form, frozen, at New York City, Fishery Market News Report, National Marine Fisheries Service, New York.
3/ Steak form, frozen, at New York City, Consumer and Market Information, State of New York.
na - Not available.

Table A18.--U.S. wholesale prices of canned salmon, monthly, 1970-77 1/

Species/ Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						-Dollars per case							
Red (sockeye), 48/1-lb cans													
1970	45.25	45.44	45.50	45.50	45.50	45.50	42.90	40.00	40.00	40.00	41.13	41.50	43.19
1971	41.50	41.50	41.50	41.50	41.50	41.50	43.00	44.50	2/	2/	46.00	46.00	42.85
1972	47.00	47.00	47.00	47.50	47.50	47.50	47.50	56.00	56.00	56.50	56.50	56.50	51.08
1973	56.50	56.50	56.50	57.25	58.00	58.00	58.00	3/	112.00	110.40	110.00	110.00	76.74
1974	111.00	111.00	111.00	111.00	111.00	111.00	111.00	110.60	108.75	108.00	108.00	93.33	109.31
1975	92.75	89.00	89.00	83.50	83.50	83.50	83.50	82.00	77.50	77.50	77.88	78.00	83.14
1976	80.60	82.75	83.00	83.00	83.00	83.00	83.00	83.00	83.00	82.20	82.75	84.00	82.78
1977	84.75	85.50	87.50	87.50	87.50	87.50	88.10	89.00	90.75				
Red (sockeye), 48/1/2 -lb cans													
1970	27.25	27.06	27.00	27.00	27.00	27.00	26.85	26.63	26.75	26.75	27.50	27.75	27.04
1971	27.75	27.75	28.00	28.25	28.25	28.25	27.35	27.25	2/	2/	29.00	29.00	28.08
1972	31.00	30.00	29.10	30.50	30.13	30.00	30.00	34.00	34.50	34.50	34.50	34.50	31.89
1973	34.50	34.50	34.50	35.25	36.00	36.00	36.00	3/	54.50	55.00	55.00	57.00	42.57
1974	57.00	57.00	57.00	57.00	57.00	57.00	57.00	56.90	55.63	52.50	52.50	48.50	55.42
1975	44.38	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	46.90	48.00	43.48
1976	53.00	55.00	54.63	53.50	53.50	53.50	55.10	56.25	56.13	55.00	55.00	55.00	54.63
1977	55.00	55.00	57.00	56.80	56.50	57.50	57.50	58.00	58.50				
Pink, 48/1-lb cans													
1970	31.60	31.25	32.50	35.50	32.50	32.50	32.50	32.50	33.50	33.50	33.50	33.50	32.65
1971	33.50	34.50	34.50	34.50	34.50	34.50	34.80	35.83	2/	2/	36.00	36.00	34.86
1972	36.00	37.00	37.00	37.38	37.50	37.50	37.75	41.25	44.50	44.50	47.75	45.00	40.01
1973	45.25	45.50	45.50	46.25	47.00	47.00	47.00	3/	65.75	67.10	68.00	70.40	54.25
1974	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	71.00	70.67	70.97
1975	70.00	70.00	70.00	70.00	70.00	70.00	70.00	69.75	69.00	69.00	69.00	69.00	69.65
1976	69.00	69.00	69.00	69.00	69.00	69.00	69.00	69.00	68.50	67.40	67.00	67.50	68.53
1977	68.00	68.00	64.00	65.00	66.50	66.50	67.10	68.60	69.00				
Chum, 48/1-lb cans													
1970	28.80	28.25	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	29.50	29.50	28.71
1971	29.50	30.00	30.00	30.13	30.50	30.50	30.50	31.50	2/	2/	31.50	31.50	30.56
1972	32.00	31.00	31.00	31.50	31.50	31.50	31.50	34.75	38.00	38.50	40.00	40.00	34.27
1973	40.00	40.00	40.00	40.25	40.50	40.50	40.50	3/	60.25	62.50	64.00	64.80	48.48
1974	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.40	70.00	65.00	65.00	65.00	65.45
1975	65.00	65.00	63.40	59.00	59.00	59.00	55.00	55.00	57.00	59.00	59.00	59.00	59.63
1976	59.00	59.50	60.00	60.00	60.00	60.00	60.40	61.00	60.25	59.40	59.00	59.00	59.78
1977	59.00	59.00	58.00	58.40	59.00	59.00	59.00	59.00	60.00				

1/ Average of the weekly prices reported by Seattle brokers and canners for top quality stock only.
2/ Prices not reported during the price freeze. Does not include discounts and promotional allowances.
3/ Prices not quoted.

Source: Fishery Market News Report, National Marine Fisheries Service, Seattle, Wash.

Table A19.--Exvessel, wholesale, and retail prices of Maine sardines, monthly, 1970-77

Year	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year average
						Cents per pound 1/							
Exvessel price (Maine)													
1970	-	2.0	-	-	2.0	1.9	2.0	1.8	1.7	1.7	1.4	1.9	1.8
1971	-	-	-	1.1	-	2.4	2.1	2.4	2.5	2.7	2.9	-	2.3
1972	-	-	-	2.9	3.1	3.3	3.1	3.2	3.1	3.1	3.3	3.2	3.1
1973	-	-	-	3.7	3.9	3.0	2.9	2.7	2.8	2.8	3.0	2.9	3.1
1974	3.6	3.3	3.3	3.3	-	3.3	3.6	3.9	3.7	3.8	3.9	3.6	3.6
1975	3.9	3.9	3.9	3.9	3.9	3.4	3.8	3.7	3.7	4.0	3.2	2.8	3.7
1976	4.5	-	-	3.0	3.8	4.5	4.5	4.3	4.3	4.2	4.4	5.0	4.3
1977	-	4.5	4.8	4.5	4.7	4.5	4.9						
Wholesale price, Maine, 100 - 1/4 lb cans 2/													
						Dollars per case							
1970	12.63	13.50	13.50	13.50	13.50	13.50	13.50	14.25	15.25	15.25	15.25	15.25	14.07
1971	15.25	15.25	15.25	15.25	15.25	15.75	15.75	16.75	16.75	16.75	16.75	16.75	15.96
1972	16.72	16.75	16.75	16.75	16.75	16.75	16.75	17.55	17.30	17.10	17.10	15.75	16.84
1973	16.25	16.25	16.25	16.25	15.30	15.30	15.30	17.25	17.35	17.60	17.60	17.60	16.53
1974	17.60	18.00	18.00	19.35	19.35	19.75	19.75	21.60	21.60	22.50	22.50	22.50	20.21
1975	22.50	22.05	22.05	22.05	22.05	23.05	22.10	22.10	23.10	22.50	22.50	22.50	22.53
1976	22.50	21.60	21.60	21.60	22.10	22.10	22.10	22.10	22.10	23.10	23.10	23.10	22.26
1977	23.10	23.10	23.10	24.00	24.00	24.00	24.00	24.00	25.10				
Retail price, keyless 3/													
						Cents per can							
1970	15.8	15.5	15.5	15.8	15.8	16.0	16.0	16.7	16.9	16.3	16.4	16.9	16.1
1971	19.2	19.8	20.5	20.4	19.1	19.5	18.7	20.5	20.1	20.4	20.4	20.5	19.9
1972	20.5	21.1	20.7	20.7	20.9	21.2	20.9	21.2	21.4	21.6	22.3	22.7	21.3
1973	22.9	22.9	22.9	22.7	23.0	22.9	23.1	23.2	23.4	23.2	24.0	23.9	23.2
1974	25.5	24.5	26.0	25.7	26.4	26.6	27.5	27.7	28.1	29.5	29.7	30.9	27.2
1975	32.2	32.2	32.4	32.6	33.0	31.2	31.7	32.0	31.5	31.9	32.0	33.7	32.2
1976	33.7	33.0	32.7	32.9	33.7	33.8	34.3	34.5	34.3	34.2	34.7	34.8	33.9
1977	34.9	34.8	34.8	34.9	33.4	33.5	31.9	31.9					
Retail price, key or pull tab 4/													
1970	16.5	16.6	16.6	16.9	17.1	17.3	17.2	17.4	17.8	18.2	18.7	19.0	17.4
1971	19.3	19.6	19.7	19.8	20.0	20.4	20.5	20.8	21.0	21.1	21.2	21.4	20.4
1972	21.6	21.6	21.4	21.6	21.7	21.8	21.9	22.1	22.6	22.7	22.9	25.3	22.1
1973	22.4	22.4	22.6	22.9	23.3	23.7	23.1	23.2	23.5	24.2	25.0	20.3	23.5
1974	25.5	37.6	37.2	37.9	38.9	39.6	40.0	40.4	41.7	43.9	45.1	46.6	39.5
1975	47.1	47.7	48.2	48.6	48.6	49.6	50.8	51.1	51.5	51.6	51.5	51.8	49.8
1976	51.9	52.4	52.1	52.1	52.4	52.4	52.5	52.8	54.1	53.8	53.8	55.0	52.9
1977	54.0	53.7	54.1	54.8	55.1	55.9	56.8	57.3					

1/ Round weight.
2/ Keyless oil, New York, Bureau of Labor Statistics (BLS).
3/ Price at Baltimore, Md., reported by BLS.
4/ U.S. average price, reported by BLS.

Table A20.--U.S. canned tuna pack, by area, 1976-77

Year	Continental United States	American Samoa, Puerto Rico, and Hawaii	Total
	Thousand standard cases		
1976			
January	534	1,357	1,891
February	416	1,043	1,459
March	2,402	1,443	3,850
April	957	1,374	2,311
May	1,239	1,181	2,420
June	1,969	1,038	3,007
July	1,720	1,342	3,062
August	473	1,275	1,748
September	1,682	1,426	3,108
October	1,115	1,379	2,494
November	1,490	1,127	2,617
December	1,983	1,477	3,460
Total	16,108	15,462	31,570
1977			
January	913	998	1,911
February	845	922	1,767
March	1,388	1,651	3,039
April	1,078	1,118	2,191
May	824	988	1,812
June	1,009	927	1,936
July	1,166	2,072	3,238
August	1,167	1,332	2,499
September	1,039	1,157	2,196

Note: Data are preliminary. Figures may not add to total because of rounding.

Source: Fishery Market News Report, National Marine Fisheries Service, Terminal Island, California.

Table A21.--Exvessel prices of tuna, monthly, 1970-77 1/

Species/ Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
	Dollars per ton												
Albacore													
1970	-	-	-	-	-	-	550	550	550	550	550	550	550
1971	-	-	-	-	-	-	630	630	630	630	630	630	630
1972	-	-	-	-	-	680	680	680	680	680	680	680	680
1973	-	-	-	-	-	-	-	830	830	830	830	830	830
1974	-	-	-	-	-	-	820	820	820	820	820	820	820
1975	-	-	-	-	-	-	675	675	675	675	675	675	675
1976	675	675	675	-	-	910	910	910	920	960	1000	1000	864
1977	1000	1000	1000	1000	-	-	1165	1165	1165				
Bluefin													
1970	326	-	-	-	347	349	351	385	360	362	373	-	353
1971	-	-	392	-	400	401	403	403	400	400	400	401	400
1972	-	422	-	-	-	422	422	422	422	422	422	422	422
1973	-	-	-	-	-	457	460	465	462	-	-	-	461
1974	-	-	-	-	-	-	555	555	555	555	555	555	555
1975	-	-	-	-	480	480	480	480	480	480	480	480	480
1976	-	560	560	560	-	576	578	580	586	595	595	580	577
1977	-	-	-	-	765	769	777	800	800				
Skipjack 2/													
1970	291	296	298	301	308	317	323	327	331	333	338	339	317
1971	362	362	362	366	367	371	372	374	375	376	376	376	370
1972	405	405	405	405	405	405	405	405	405	405	405	405	405
1973	447	447	447	447	447	447	450	455	455	459	459	463	451
1974	3/	545	545	545	545	545	545	545	545	544	540	540	544
1975	-	540	540	503	495	472	450	450	450	450	450	450	471
1976	520	540	541	542	548	552	554	560	568	575	579	575	554
1977	605	620	620	620	704	744	748	748	765				
Yellowfin 2/													
1970	341	346	348	355	358	366	372	379	381	383	386	391	367
1971	412	412	412	415	417	421	420	420	420	421	421	421	418
1972	442	442	442	442	442	442	442	442	442	442	442	442	442
1973	477	477	477	477	477	477	480	485	485	489	489	493	481
1974	3/	575	575	575	575	575	575	575	575	575	575	575	575
1975	3/	574	573	546	540	520	500	500	500	500	500	500	523
1976	520	580	581	582	588	592	594	600	608	615	619	615	591
1977	639	665	665	665	755	794	803	803	820				

1/ Midpoints of price ranges received from California canners.
2/ Premium grade.
3/ Insufficient quotations to publish price.

Source: Fishery Market News Report, National Marine Fishery Service, Terminal Island, California.

Table A 22--Canned tuna wholesale and retail prices, monthly, 1970-77

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
						Dollars per case 1/							
Wholesale - Advertised brands 2/													
White solid (No. 1/2 - 7 oz 48's)													
1970	19.35	19.35	19.55	19.85	19.85	19.95	20.35	20.51	22.35	22.35	22.35	22.35	20.68
1971	22.35	22.35	22.55	22.85	22.85	22.85	21.50	21.50	21.50	21.50	21.50	21.50	22.07
1972	21.50	22.28	22.70	22.74	22.74	22.75	23.50	23.31	23.50	24.89	25.35	25.35	23.39
1973	23.00	24.75	26.00	26.00	26.00	26.00	26.00	26.00	26.38	27.50	26.75	27.50	25.89
1974	27.50	28.63	29.00	29.00	29.00	29.00	29.94	30.17	30.17	30.18	30.18	30.85	29.47
1975	30.14	30.00	27.75	27.75	27.75	27.40	27.10	27.29	27.35	27.35	28.83	29.00	28.14
1976	29.00	30.25	30.50	30.50	32.63	33.50	35.00	35.00	36.50	37.00	37.00	39.00	33.82
1977	39.00	39.00	39.00	39.00	39.00	39.00	39.00	39.75	40.50				
Light chunk (No. 1/2 - 6-1/2 oz 48's)													
1970	16.35	16.35	16.49	16.70	16.70	16.80	17.20	17.20	17.20	17.70	17.70	17.70	17.01
1971	18.20	18.70	18.70	18.65	18.70	18.70	18.70	18.70	18.70	18.70	18.70	18.70	18.61
1972	18.70	18.90	19.20	19.20	19.20	19.20	19.39	19.70	19.70	19.89	19.95	19.95	19.42
1973	19.95	19.95	19.95	20.70	20.90	21.14	21.20	21.20	19.68	20.95	21.33	21.89	20.74
1974	22.55	23.83	24.20	24.20	24.20	24.20	24.20	24.20	24.20	24.80	25.20	25.20	24.25
1975	25.45	26.20	25.20	25.20	25.20	25.20	25.20	23.70	23.70	23.70	24.70	24.70	24.85
1976	24.70	26.33	26.70	26.70	27.08	27.45	28.20	28.20	28.80	29.00	29.00	29.25	27.62
1977	29.50	29.50	29.50	29.50	30.38	33.00	33.00	33.00	33.00				
Wholesale - Private label 2/													
White solid (No. 1/2 - 7 oz 48's)													
1970	16.75	16.75	16.49	16.70	16.70	16.80	17.20	17.20	17.20	17.70	17.70	17.70	18.20
1971	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25
1972	20.25	20.75	21.50	21.50	21.50	21.50	21.50	21.50	21.50	22.25	22.63	22.75	21.59
1973	22.75	23.00	23.00	23.50	24.05	24.28	24.20	24.20	25.04	27.25	26.88	28.00	24.68
1974	28.00	28.38	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.45
1975	28.50	*	*	*	*	*	25.00	25.00	25.00	25.00	27.67	28.00	26.31
1976	28.00	29.00	29.00	29.00	29.75	30.88	33.70	33.50	34.50	35.50	37.50	37.50	32.32
1977	37.50	37.50	37.50	37.50	37.50	37.50	37.50	38.62	39.00				
Light chunk (No. 1/2 - 6 -1/2 oz 48's)													
1970	12.88	12.88	12.98	13.00	13.00	13.20	14.00	14.13	14.50	15.00	15.00	15.00	13.79
1971	15.06	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.46
1972	15.50	15.60	16.25	16.25	16.25	16.25	16.81	17.00	17.00	17.19	17.25	17.25	16.57
1973	17.25	17.25	17.25	18.25	18.60	18.75	18.75	18.75	18.81	19.25	19.50	19.50	18.49
1974	19.50	20.81	21.25	21.75	21.75	21.75	21.75	21.75	21.75	22.05	22.25	22.25	21.55
1975	21.88	22.25	22.25	21.50	21.25	21.00	20.75	22.25	20.75	20.75	20.63	20.63	21.37
1976	20.63	20.88	21.25	21.25	21.25	21.50	22.25	22.25	22.25	22.25	22.50	22.50	21.73
1977	22.50	22.50	22.88	26.60	28.00	29.00	29.50	29.50	29.50				
Retail 3/													
Light chunk 6 -1/2 oz cans													
						Cents per can							
1970	37.6	39.8	38.3	38.7	39.2	39.4	39.4	35.7	40.7	41.7	42.2	42.7	39.4
1971	43.3	43.6	43.0	44.3	44.2	44.4	44.2	44.2	44.3	44.1	43.9	44.1	44.0
1972	44.1	44.7	45.2	45.6	45.8	45.9	45.7	45.3	45.6	46.0	46.1	46.4	45.5
1973	46.5	45.7	46.9	47.6	48.3	49.6	51.0	49.6	50.0	50.6	51.6	52.5	49.2
1974	53.7	55.1	56.0	57.3	57.8	58.2	58.7	58.5	58.6	58.5	59.8	60.1	57.7
1975	61.0	61.4	61.5	60.8	60.7	59.5	59.0	59.3	60.0	59.7	60.1	61.1	60.3
1976	62.1	62.5	62.6	62.9	63.5	63.8	63.7	64.4	64.8	64.8	66.2	66.3	64.0
1977	66.6	68.3	67.5	68.6	70.2	71.8	74.0	75.0					

1/ Quotes do not include trade or promotional allowances.
2/ Reported by San Diego brokers and cannery representatives, f.o.b. canner's terminal.
3/ U.S. average retail price reported by BLS.
* No - quotes.

Source: Wholesale; Fishery Market News Report, National Marine Fisheries Service, Terminal Island, California.
Retail; Estimated Retail Food Prices by City. Bureau of Labor Statistics.

*U.S. GOVERNMENT PRINTING OFFICE: 1977 261-091/104 1-3

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Washington, D.C. 20235

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-210

Third Class Bulk Rate

U.S.MAIL

5196812 005 C 0172 01
AREA DIRECTOR, NMFS
2570 DOLE ST.
P. O. BOX 3830
HONOLULU, HAWAII 96812

NOAA--S/T 78-6